

BADGER STATE

SMOKE SIGNALS

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Portage WI 53901

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JUNE 2003

NEW 60-METER BAND  
TO BECOME AVAILABLE JULY 3!

The new five-channel 60-meter amateur allocation becomes available to US Amateur Radio operators at midnight (12:00 AM) local time on July 3. The local time designation means that amateurs in the US territory of Guam likely will be the first to get a crack at the new band.

The new band will be a secondary allocation--federal government users are primary--and the first on which the only permitted mode will be upper-sideband (USB) phone (emission type 2K8J3E). The FCC last month announced it would grant hams access to five discrete 2.8-kHz-wide channels instead of the 150 kHz-wide band ARRL had requested and the FCC initially proposed. The League remains optimistic, however, that Amateur Radio eventually may be able to enjoy a band segment with multiple mode privileges at 60 meters. ARRL CEO David Sumner, K1ZZ, has said that in the meantime hams will have to be on their best behavior when taking advantage of the limited channelized allocation, open to General and higher class licensees.

The FCC has granted amateurs center-channel frequencies of 5332, 5348, 5368, 5373 and 5405 kHz--the last channel common to the amateur experimental operation under way in the United Kingdom <<http://www.rsgb-hfc.org.uk/5mhz.htm>>. To be "on channel," users of 60 meters should set their transmitted carrier frequency 1.5 kHz lower than the channel-center frequency. In terms of day-to-day operation, the new band is expected to resem-

ble the sort of channel sharing typical on local repeaters.

ARRL Laboratory Manager Ed Hare, W1RFL, says hams need to be very careful if they're considering modifying their current transceiver or transmitter for 5 MHz. The ARRL advises that members check with the appropriate equipment manufacturers regarding specific modification information. Some modifications not only may void the warranty but could affect or alter a transmitter's operation in unpredictable ways.

"Hams need to be sure that any modifications put them right on the desired channel," Hare said. "Most hams are used to just having to think about band edges, so on other bands, if a mod were a bit 'off,' all operators would need to ensure is that they are not transmitting outside the band."

Hare recommended that on 5 MHz amateurs remain within "a few tens of Hertz" of suppressed-carrier accuracy. He also pointed out that hams have a mandate not to have any of their signal occupy spectrum outside the assigned 2.8 kHz channels.

Noting that high-frequency audio response can vary considerably from radio to radio, Hare has suggested restricting occupied channel audio bandwidth to 2600 Hz, rolling off below 200 Hz on the low end and above 2800 Hz on the high end.

(Continued on page 7)

Check us out on the web at  
[Http://www.bsas.org](http://www.bsas.org)

WISCONSIN MANDATES ARRL EMCOMM CLASSES  
FOR ARES/RACES OFFICIALS

Wisconsin has become the first ARRL Section to make the basic ARRL Amateur Radio Emergency Communications course (ARECC) an ARES/RACES leadership job requirement. Wisconsin Section Emergency Coordinator Dr Stan Kaplan, WB9QR, has announced that Amateur Radio Emergency Service and Radio Amateur Civil Emergency Service leadership personnel in the Badger State must complete the Level I Amateur Radio Emergency Communications course (EC-001) by June 30, 2004, and all three course levels by June 30, 2005.

"We are seeing the marked difference this training makes, both here in Wisconsin and across the United States," Kaplan said in announcing the upgraded requirements. "It is a 'Good Thing' and will help you be a much better emergency communicator and a much better leader of communications teams." Kaplan said there's "just no question" that completing the AREC courses will help ARES/RACES leadership members to serve the public better.

The change affects all Wisconsin district emergency coordinators, emergency coordinators, assistant emergency coordinator, liaison emergency coordinators and others in the state's ARES/RACES leadership. That even includes Kaplan, who also serves as Wisconsin's RACES chief radio officer, and Wisconsin Section Manager Don Michalski, W9IXG.

ARRL Emergency Communications Course Manager [Dan Miller, K3UFG](#), said he was pleased to learn that Wisconsin ARES/RACES values the Amateur Radio Emergency Communications courses so highly that they've made them a requirement. "We have indeed been impressed with the activities from that state," Miller remarked.

Still under discussion in Wisconsin is a proposal to require all ARES/RACES members to pass the Level I Amateur Radio Emergency Communications class.

- *The ARRL Letter*, 4-18-03

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# WHAT'S HAPPENING

## Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901 — [kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

### Swapfests And Other Social Events

July 12, 2003, Oak Creek, WI  
South Milwaukee ARC Swapfest '03.  
American Legion Post 434, 9327 South  
Shepard Ave., Oak Creek, WI. For More  
Info e-mail: [ryatex@aol.com](mailto:ryatex@aol.com) or call 1-414-  
762-3235 and ask for Verne. [Website](http://www.qsl.net/wa9txe)  
[www.qsl.net/wa9txe](http://www.qsl.net/wa9txe).

August 9, 2003, Alpha, MI (Upper  
Peninsula)  
Swapfest-Hamfest sponsored by the  
Iron Range ARC. 0900 to 1500. Tables  
\$6.00 or 3 for \$14.00. Inside handicapped  
access gym with easy ground level access.  
VE testing upon request 2 weeks prior to the  
Hamfest Contacts: LeRoy Anderson,  
N 8 W Q G , ( 9 0 6 ) 2 6 5 - 3 9 6 0 .

[leand@up.net](mailto:leand@up.net) or Kenneth Hookenson,  
N 8 X T C , ( 9 0 6 ) 2 6 5 - 5 4 3 0 .  
[hooken@ironriver.tv](mailto:hooken@ironriver.tv)

August 9, 2003, Baraboo, WI  
Seventh Annual Circus City Swapfest,  
Saturday, August 9, 2003, 7:00 am till  
Noon. Sauk Co. Fairgrounds, Baraboo, WI.  
Vendors, tailgate area, free parking, camp-  
ing, VE testing. For info, contact: Steve,  
N 9 U D O , 6 0 8 - 3 5 6 - 2 3 1 3 o r  
[n9udo@yahoo.com](mailto:n9udo@yahoo.com). Website [www.qsl.net/](http://www.qsl.net/ytarc/hamfest.htm)  
[ytarc/hamfest.htm](http://www.qsl.net/ytarc/hamfest.htm).

September 6, 2003, Eau Claire, WI  
Eau Claire Hamfest, Saturday Septem-  
ber 6, 2003, Eau Claire County Exposition  
Center. Same location as last six years.  
Doors Open 8:00 AM to 2:00 PM. Vendors:  
ARRL, Tower Electronics, Burghardt Ama-  
teur Center, QSL USA and many more!  
Door and Raffle Prizes. Admission \$5.00,  
Tables \$ 10.00. Tailgating - FREE with paid  
admission. FREE COFFEE - The Coffee is  
always Free at the Eau Claire Hamfest. If

you can't find what you want at the Eau  
Claire Hamfest, you probably didn't need it.  
Information: Jim Staatz KG9RA  
[KG9RA@charter.net](mailto:KG9RA@charter.net). Phone 715-838-9108.  
Web Page: [www.ecarc.org](http://www.ecarc.org).

September 2003, Peoria, IL  
Peoria Superfest 2003. Exposition  
Gardens Fairgrounds, 1601 W Northmoor  
Rd., off 6300 N. University, Peoria, IL.  
Contact: Peoria Superfest, PO Box 3508,  
Peoria, IL 61612-3508. InfoLine: (309) 692-  
3378. E-mail: [w9uvi@arrl.net](mailto:w9uvi@arrl.net) Website:  
[www.w9uvi.org](http://www.w9uvi.org).

September 27-28, 2003, Grayslake, IL  
Radio Expo 2003. September 2003,  
Lake County Fairgrounds, Rts 45 & 120,  
Grayslake, IL. Grounds Open from Thurs-  
day at noon. Flea Market open both days at  
6 AM. Exhibit Buildings open Sat 8 AM to  
4 PM, Sun 8 AM to 3 PM. The Chicago FM  
Club. Questions??? Call Radio Expo 630-  
628-1501 (Voice-Mail & FAX). [http://](http://www.chicagofmclub.org)  
[www.chicagofmclub.org](http://www.chicagofmclub.org).



Due to space limitations, we are unable  
to carry the full listing of club meetings each  
issue. Please see the April issue for last printed  
full listing of club meetings. The full listing is  
also available on the [bss.org](http://bss.org) web site. The  
following update have been received since the  
last printing.

The South Milwaukee ARC meets on the  
First Weds. of every month at the American  
Legion post #434 in Oak Creek WI. at 7:00  
pm. (9327 S Shepard Ave)In March And Octo-  
ber the meetings are turned into Auction  
nights. The clubs WEB page is:  
[WWW.QSL.NET/WA9TXE](http://WWW.QSL.NET/WA9TXE)

### The Test Point



Amateur Radio Examination Locations  
and Schedules in the Area

June 07, 2003	Madison, WI
June 07, 2003	St. Paul, MN
June 12, 2003	Apple Valley, MN
June 14, 2003	Wisconsin Rapids, WI
June 14, 2003	Blaine, MN
June 14, 2003	Oshkosh (Omro), WI
June 17, 2003	Eden Prairie, MN
June 21, 2003	Mauston, WI
June 21, 2003	Loves Park, IL
June 21, 2003	Cottage Grove, MN
June 28, 2003	Bloomington, MN
June 28, 2003	Tomahawk, WI
July 05, 2003	Madison, WI
July 05, 2003	St. Paul, MN
July 10, 2003	Apple Valley, MN
July 12, 2003	Blaine, MN
July 12, 2003	Oshkosh (Omro), WI
July 15, 2003	Sheboygan, WI
July 15, 2003	Eden Prairie, MN
July 19, 2003	Eau Claire, WI
July 19, 2003	Milwaukee, WI (BE)
July 19, 2003	Loves Park, IL
July 19, 2003	Cottage Grove, MN
July 26, 2003	Bloomington, MN
July 26, 2003	Milwaukee, WI (MRAC)

## Badger State Smoke Signals

### Amateur Radio Education and Information

**CHAIRMAN/PUBLISHER:** Kenneth A. Eb-  
netter, K9EN, 822 Wauona Trail, Portage, WI  
53901. Telephone (608) 742-3560. e-mail to:  
[kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

#### EDITOR:

**TREASURER:** Kenneth A. Ebnetter, K9EN,  
822 Wauona Trail, Portage WI 53901.

**EDITORIAL BOARD:** Ken Ebnetter, K9EN;  
Don Evenson, K9JYX.

### Subscription Rate

1 year (6 issues—bi-monthly)\$13.95

A subscription form is in this issue. Special club  
package reduced rates are available. For infor-  
mation, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of

the month before the issue date. For example,  
the closing date for the May issue is April 1.  
The only exception is for participating clubs'  
minutes. Participating clubs are requested to  
send their material no later than FIVE DAYS  
after the club's meeting. For example, if a club  
meets on the 4th of the month, the material  
should be sent no later than the 9th of that  
month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections, and  
exchange papers should be sent to Ken Ebnetter.  
Editorial material, photographs, and fea-  
ture articles should be sent to Ken Ebnetter,  
K9EN.

Web page material should be sent to  
[n9qa@arrl.net](mailto:n9qa@arrl.net) (Dave Knaus, N9QA).

Inquiries about advertising should be  
directed to Ken Ebnetter.

Club, swapfest, and Test Point informa-  
tion should be sent to Ken Ebnetter.

**Swapfest ADS should be sent to Ken  
Ebnetter, K9EN no later than eight weeks  
before the events date.**

Subscriptions should be sent, with check  
or money order, to Ken Ebnetter.

### Conditions for Reprinting or BBS Post- ing Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles  
or posting articles on radio or telephone bulletin  
boards from *Badger State Smoke Signals*, pro-  
viding credit is given to the original author,  
publication in which the article first appeared,  
and to *Badger State Smoke Signals*.

This newspaper is produced by volunteer radio  
amateurs, and is non-profit. This newspaper is  
mailed from Portage, WI 53901.

*Badger State Smoke Signals* is incorporated as a  
Wisconsin non-stock, non-for-profit organiza-  
tion.

### Editorial Disclaimer

The opinions expressed in editorials, guest edi-  
torials, columns, articles, and letters from read-  
ers are the opinions of the authors only, and do  
not, unless otherwise stated, express or imply  
endorsement by *Badger State Smoke Signals*, or  
by any other individual or organization.

July 26, 2003  
August 02, 2003  
August 02, 2003  
August 09, 2003  
August 09, 2003  
August 14, 2003  
August 16, 2003  
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December 06, 2003  
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December 06, 2003  
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December 13, 2003  
December 18, 2003  
December 20, 2003  
December 20, 2003  
December 20, 2003  
December 20, 2003  
December 27, 2003  
Monthly, 1st Sat.  
Monthly, 1st Sat.  
(except Jan., Jul., & Aug.)  
Monthly, 1st Sat.  
Monthly, 2nd Thu.  
Monthly, 2nd Sat.  
Monthly, 2nd Sat.  
Monthly, 3rd Tue.  
Monthly, 3rd Sat.  
(September through April)  
Monthly, 3rd Sat.  
Monthly, 3rd Sat.  
Monthly, 4th Sat.  
Monthly, Last Sat.  
(MRAC)  
(except Mar., Jun., Aug., & Dec.)

Tomahawk, WI  
Madison, WI  
St. Paul, MN  
Blaine, MN  
Oshkosh (Omro), WI  
Apple Valley, MN  
Milwaukee, WI (BE)  
Loves Park, IL  
Cottage Grove, MN  
Eden Prairie, MN  
Bloomington, MN  
Tomahawk, WI  
Eau Claire, WI  
Madison, WI  
Racine, WI  
St. Paul, MN  
Apple Valley, MN  
Onalaska, WI  
Sheboygan, WI  
Blaine, MN  
Oshkosh (Omro), WI  
Eden Prairie, MN  
Mauston, WI  
Milwaukee, WI (BE)  
Loves Park, IL  
Cottage Grove, MN  
Bloomington, MN  
Milwaukee, WI (MRAC)  
Tomahawk, WI  
Madison, WI  
Racine, WI  
St. Paul, MN  
Apple Valley, MN  
Blaine, MN  
Oshkosh (Omro), WI  
Milwaukee, WI (BE)  
Loves Park, IL  
Cottage Grove, MN  
Eden Prairie, MN  
Bloomington, MN  
Milwaukee, WI (MRAC)  
Tomahawk, WI  
Menomonie, WI  
Madison, WI  
Racine, WI  
St. Paul, MN  
Onalaska, WI  
Blaine, MN  
Oshkosh (Omro), WI  
Apple Valley, MN  
Milwaukee, WI (BE)  
Loves Park, IL  
Cottage Grove, MN  
Sheboygan, WI  
Eden Prairie, MN  
Bloomington, MN  
Milwaukee, WI (MRAC)  
Madison, WI  
Racine, WI  
St. Paul, MN  
Apple Valley, MN  
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Eden Prairie, MN  
Mauston, WI  
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Cottage Grove, MN  
Bloomington, MN  
Madison, WI  
Racine, WI  
St. Paul, MN  
Apple Valley, MN  
Blaine, MN  
Oshkosh (Omro), WI  
Eden Prairie, MN  
Milwaukee, WI (BE)  
Loves Park, IL  
Cottage Grove, MN  
Bloomington, MN  
Milwaukee, WI

Monthly, Last Sat.  
(January thru October only)

Tomahawk, WI

GENERAL RULES  
FOR MOST EXAMINATIONS

Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>  
or  
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, W1AW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2003 test fee at \$12.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>  
By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC.

Adams, WI  
Adams County Library, 101 S. Main St., Adams, WI. Enter from the Center St. entrance. Walk-ins are welcome. For information contact: Ed Wagner at Email: [aab9fn@arrl.net](mailto:aab9fn@arrl.net) or call 608-584-4858. All ARRL rules, regulations and conditions apply to testing.

Appleton, WI  
Fox Cities ARC (ARRL/VEC) All regular test sessions are held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. No walk-ins after 9 a.m. For information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. Email: [w9mdp@arrl.net](mailto:w9mdp@arrl.net).

Eau Claire, WI  
Eau Claire Amateur Radio Club.  
South Middle School, North East side door 7,

2115 Mitscher Ave, Eau Claire, WI  
Eau Claire Hamfest. Held at Eau Claire Exposition Center, Lorch Avenue, Eau Claire.  
Technician, General and Extra Class exams. Walkins welcome.  
Examination session coordinator: Steve Bluem, KA9OMY, [ka9omy@arrl.net](mailto:ka9omy@arrl.net). Telephone: 715-839-6509. [www.ecarc.org](http://www.ecarc.org). [w9eau@ecarc.org](mailto:w9eau@ecarc.org).

Fond du Lac, WI  
Fond du Lac ARC (ARRL/VEC). Community United Methodist Church, 701 Minnesota Ave., North Fond du Lac. 9:00 a.m. Walk-ins allowed. Contact: Douglas J. Schultz, 920-922-3088, [schultz74@charter.net](mailto:schultz74@charter.net).

Fort Atkinson, WI  
Tri-County Amateur Radio Club Second Thursday monthly except June to August, 7 p.m. Dwight Foster Public Library in Fort Atkinson. Contact: Glenn Eisenbrandt, WA9VYL, 920-563-6502, or John Satterlee, WA9SAB, 920-563-6381.

Hudson, WI  
St. Croix Valley AR Testing Col. St. Croix County Emergency, Government Center by jail, Carmichal Rd. lower level, Hudson, WI 54016. Call for time and walk-in info, Contact: Gregory Miller (715)386-9857.

Jefferson, WI (ARRL/VEC)  
Tests at 9 a.m. American Legion Post 164, located at 321 N. Main St., Jefferson, WI. Parking in back at the True Value Hardware. Enter Main Street off hwy 18 at the Stop Light and turn North. Or from I-94 take hwy 26 into Jefferson and look for the Flag in front and a few blocks before Hwy 18. Bring picture ID and copies and originals of licenses and CSCE's. If you enter from the rear you can go upstairs to the test if the Bar is open. Test fee \$10 to ARRL/VEC. Please note that the Tri-County Amateur Radio Club March 17 Hamfest will be located at the Jefferson County Fairgrounds. Talkin on 145.49 Repeater. Information: [www.cmdline.com/tcarc/](http://www.cmdline.com/tcarc/).

Madison, WI  
First Saturday monthly: 8 a.m. to 10 a.m. Space Place, 1605 South Park Street, Madison. Please bring a picture ID, your original license, a copy of your license, and the original and a copy of any relevant CSCEs, and a check for \$10.00 made out to the ARRL/VEC. No appointments are necessary to take exams. Exams start promptly at 8 a.m. Questions may be directed to Tim Czerwonka, WO9U, at 608-239-3696 (home phone) or sent to [wo9u@arrl.net](mailto:wo9u@arrl.net).

Medford, WI(ARRL/VEC)  
Sponsored by the Taylor County Area Amateur Radio Club (ARRL/VEC affiliated). Tuesday, November 26th. Testing for all classes, Technician through Extra. Registration starts at 7:30 PM, testing starts at 8:00 PM. Location: the conference room of the Medford Public Library, 400 N. Main St., Medford, WI. From the intersection of State Hwys. 13 and 64, proceed west on Hwy. 64 to Main St. Turn north on Main St. and take Main St. to the library. Talk-in on the 147.15(+600 kHz, 114.8 Hz PL) repeater. Walk-ins welcome, however, if you know you'll be attending, it would be appreciated if you call ahead. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451, phone (715) 748-4054 or e-mail to Mike, N9GHZ, at [mds54449@yahoo.com](mailto:mds54449@yahoo.com).

Menominee, MI  
Marinette-Menominee Amateur Radio Club. Location: The cafeteria of Bay Area Med Center, US-41 in Menominee. Building located next to KFC just off the Interstate Bridge. All classes given. Advance notice preferred, but not required. Test fee is \$10 with two pieces of identification required. Contact Jeff Rymer, N9PQU at [jrymer@ez-net.com](mailto:jrymer@ez-net.com) or Ed Engleman, KG8CX, at [dxer@cybrzn.com](mailto:dxer@cybrzn.com). We will monitor the 147.000 (107.2 pl) repeater in event

further directions or info is needed.

Menomonie, WI  
ARRL/VEC. Location: NEWUW-Stout Communications, Millennium Hall, Broadway & 10th Ave., Menomonie, WI. Contact: James P. Ley, 715-235-3998.

Milwaukee, WI  
Badger Examiners (W5YI VEC) September thru April, every third Saturday morning, 9:30 a.m. to noon. Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee (use the entrance numbered 5730). Exams are given at the old Sterman Printing shop, just 300 feet west of the AES store. Novice to Extra are offered, and all test materials are provided. Fee is \$10.00, and bring your original license, or CSCE if needed. Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is \$35.00. For more information call Gary Sharbuno, W19M at (414) 355-0237.

Milwaukee, WI  
Milwaukee Radio Amateurs' Club (MRAC VEC) Last Saturday, except in March, June, August, and December. In addition, we test at the West Allis RAC Swapfest in January and at Superfest in April. 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road (the door you enter is actually numbered 5730), Milwaukee. For additional information, call (262) 797-MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such a driver's license, etc. Also required is \$8.00 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, P.O. Box 070695, Milwaukee, WI 53207. Contact: John G. Kraak, 262-797-6722.

Onalaska, WI  
Riverland ARC (ARRL/VEC). Onalaska Public Library, 741 Oak Street, Onalaska, WI. Contact: Roger Reader, KA9BKK, 608-783-0723, [readers@centurytel.net](mailto:readers@centurytel.net).

Oshkosh, WI (Omro)  
Oshkosh VE Team Amateur Radio exams monthly on the first Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon. Omro Community Center, 130 W. Larrabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is \$6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail: [lemme@vbe.com](mailto:lemme@vbe.com), or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

Racine, WI  
ARRL VEC Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walk-ins are permitted. Talk in on 147.87/.27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (262) 886-8551. [w0wln@juno.com](mailto:w0wln@juno.com).  
VE testing dates in Sheboygan County, Wisconsin, for 2003 will be according to the following schedule:

Sheboygan, WI  
Saturdays 8:30 AM, 10, 13 September  
Tuesdays 6:30 PM, 15 July. 18 November  
Sheboygan County ARC (ARRL/VEC). Exams are held in the Red Cross Building, 2032 Erie

(Continued on page 7)

# Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary  
W370 S9590 Highway 67 • Eagle, WI 53119

## WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	YES	3985	1100	0600	W9RCW
BEN	YES	3985	1700	1200	KE9VU
WSBN	YES	3985	2230	1730	N9ZET
WNN	YES	3723	0100	1800	KB9ROB
WSSN	YES	3645	0130	1830	WA9ZTY
WIN/W	YES	3662	0200	1900	WB9ICH
WIN/L	YES	3662	0300	2200	W9UW
RCRA	NO	01/61	0030	1930	KA9OMC
(Mondays CDT— Menomonie Area)					
Green Bay Area	NO	72/12	0245	2145	WB9NRK
ARES	NO	4.65/5.25	0200	2100	
(South East/South Central Wisconsin)					

### STM Report Wisconsin Section March 2003

FAQ #5 – How are weather nets related to traffic handling?  
‘Tis the season to think about severe weather preparedness. Handling weather-related messages during an alert is a special kind of traffic and needs special care. It’s a good idea to practice with local ARES, RACES, or Skywarn groups well in advance of when services are needed. Plenty of good sites on the Internet can help. My favorite is [www.sulcom.org/](http://www.sulcom.org/). The need for accuracy and efficiency is high on weather circuits and traffic-handlers welcome the pressure.

FAQ #6 -- What happens if there’s a state-wide emergency?  
In the event of a declared emergency, the Badger Emergency Net will go into session and all other nets will

meet as usual. This should provide the state-wide traffic routes necessary to supplement RACES/ARES activity throughout the state and will offer NTS liaison. Links to Wisconsin Emergency Management in Madison and other crucial points can be provided through the regular nets. If an event is extended, net controls will probably have to change. That’s why we need more volunteers to try their hand/microphone at NCS duty. It is recommended that net managers ask more stations to fill in occasionally and regular net controls might try simply handing over a net to another station with little warning as a training exercise.

FAQ #7 – What’s the right way to include ARL Numbered radiograms in a text?  
Spell them out. ARL numbered messages are always spelled out. That means it’s “ARL FORTY SIX,” not “ARL 46” or “ARL FOUR SIX.” You

don’t need an “X” after the ARL number.  
FAQ #8 – Do we ever see priority traffic on our section nets?  
You bet. Recently, W9CBE handled a piece of priority traffic for Exeland (It’s in Sawyer County) concerning a family emergency. W9PSU picked it up and managed a delivery through the sheriff’s department. It doesn’t happen often, but it’s part of the reason we do what we do.  
April’s temporary net manager for the WSBN will be K9LGU – unless I can find a willing volunteer – filling in for Roy, K9FHI, until he’s recovered from knee surgery. I’ve already chopped more firewood and moved my thermometer to the north side of the house.  
73 – K9LGU/STM-WI

### Section Traffic Manager’s Report Wisconsin, April 2003

FAQ #10 How can I introduce traffic into the NTS?  
Begin by preparing a message in NTS format. That’s easy. Look at the famous “pink card,” operating aid FSD-218, to find the proper form, an example, and answers to most of your questions. Remember to use an accurate and complete name and address as well as a phone number for the addressee. Street names work best if they are spelled out. Seventh Street works better than 7<sup>th</sup> St.  
Consider using the ARL Numbered Radiograms with your own text.

They can say a lot in a few words. Keeping the text to less than thirty words can make passing the message easier, but even “night messages” have been known to survive the NTS.  
Of course, you can list your traffic on any of the section nets – the Badger Weather Net, Badger Emergency Net, Wisconsin Side Band Net, Wisconsin Novice Net, Wisconsin Slow Speed Net, either session of the Wisconsin Intrastate Net, or on Sunday’s Wisconsin RACES Net. The net control station will find someone to take your message and get it on its way. But what happens if you don’t have HF privileges?  
As a technician class licensee, your best route is to contact a local Ham who can take your traffic and pass it along to a section net. Many

two-meter repeaters across the state have operators who monitor and are capable of handling traffic. Ask on your local nets. Ask at your local club meetings. Use the Internet to check the list of hams from your area who check into the section nets. Look at the QNI Roster on the Wisconsin Section page of the ARRL web site. Or request the list via Email or hard copy from your STM.  
Keep the NTS working. Send a greeting to an old friend, a birthday message to a distant relative, congratulations to someone you admire, or a thank you note for a QSO, some advice, or to anyone who has helped you in your Ham career. It’s fun. It’s easy. It’s excellent training.  
On all of our section nets, we try to disseminate as much traffic as pos-

sible. Traffic that is not passed should be sent to the next section net --- BWN to BEN; BEN to WSBN; WSBN to WNN, WSSN, and both sessions of WIN; Late WIN to BWN. That way we will try to make traffic available to all of our outlets.  
73, K9LGU/ STM WI

### WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY MARCH 2003

NET	NI	QTC	QTR	SSNS	NM
BWN	411	1580	2325	31	W9RCW
BEN	90	71	836	31	KE9VU
WSBN	28	83	1039	31	K9FHI
WNN	65	12	272	25	KB9ROB
WSSN	80	30	357	31	WA9ZTY
WIN/E	53	123	340	31	WB9ICH
WIN/L	60	48	370	30	W9UW
WRACES	149	0	201	5	N6NKO
totals	736	947	740	15	

### WISCONSIN SECTION STATION ACTIVITY SUMMARY MARCH 2003

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	403	32	400	835 – BPL
W9RCW 0	272	21	265	558 – BPL	
K9GU	0	233	30	233	496 – BPL*
W9CBE	0	243	231	7	481
N9VE	0	185	35	181	401 – BPL*
W9IHW	0	179	31	175	385 – BPL*
N9TVT	0	89	166	0	255
K9FHI	0	61	79	0	140
K9LGU	6	80	41	1	128
N9CK	0	64	64	0	128
W9UW	0	44	24	0	68
AG9G	0	6	56	1	63
WA9ZTY	0	31	28	0	59
KG9B	0	13	44	0	57
KE9VU	0	20	29	0	49
KB9ROB	0	17	9	0	26
AA9BB	0	0	24	0	24
WB9ICH	0	19	2	0	21
WD9FLJ	1	6	1	5	13
KN9P	1	5	1	5	12
W9RSX	0	2	7	1	10
K9UTQ	0	2	4	2	8
W9PVD	0	3	3	1	7
N6NKO	0	0	2	0	2

### P S H R SUMMARY MARCH 2003

CALL	1	2	3	4	5	6	T
N9TVT	0	40	10	460	0	0	550
N9VE	0	40	30	315	0	0	425
N9NKO	7	2	30	120	0	20	189
AG9G	0	40	30	75	0	0	185
W9RCW	0	40	30	35	0	0	145
KG9B	0	40	20	40	0	10	140
K9FHI	0	40	30	5	5	10	130
K9LGU	0	40	20	5	0	0	125
WA9ZTY	40	40	30	10	0	0	120
KB9KEG	0	35	20	0	0	10	105
W9CBE	0	40	20	0	0	0	100
WD9FLJ	0	13	10	0	0	20	83
W9RSX	0	10	10	0	0	0	60

(continued on page 7)



# The Computer

By Stan Kaplan, WB9RQR • 105 Martin Drive  
Port Washington, WI 53074-9654  
(262) 284-9346  
Skaplan@mcw.edu



## No. 109. Bits and Pieces

Here are a couple of things that don't warrant a whole article each.

**WINDOWS UPDATE:** Using Windows 98SE? Did you know there are 47 Critical Updates and Service Packs that have come out for this version? A number are patches that plug security holes of one kind or another, so if you ever connect to the Internet (who doesn't, these days?), you should definitely download and install at least the Critical Updates. Just click the **Start**, then **Windows Update** buttons while connected to the Internet.

Be aware, though, that Microsoft has redesigned their web site and now does collect information when you download. The "...without sending any information to Microsoft" disclaimer that used to be there (see #93, Sometimes Microsoft Does It Right) is no longer present. What do they now collect? 1. The version of Windows you are running. 2. The version of Internet Explorer that is on your machine. 3. The version of any other software on your machine that they provide a download for, such as Office. 4. The plug-n-play ID number of hardware devices on your machine. 5. Your region and language settings. The above five items are perfectly reasonable and necessary to the download process. After all, if they are going to furnish you an updated driver for a CD-ROM drive on your machine, they need to know what model it is so that they can make the correct version of the driver available.

On the other hand, there are more items. 6. They generate a globally unique ID number (GUID) for your machine, which they then *store on your machine* (they use this to determine that you have a valid copy of Win98). 7. They also gather the Product ID and ID Key for your version of Windows, which they save just for that connection session. 8. They also gather on their site records of GUID numbers and what was downloaded and configured. Clearly, items 6 - 8 may cause some users to feel an invasion of privacy. On the other hand, they specifically exclude gathering any personal information such as your name, address or email address.

**YOUR DATA IN YOUR POCKET:** In December, I purchased a bauble smaller than the size of an average pocket car door opener (it even comes with a loop to fit your keychain) that holds 128 Mb of data. You plug it into a USB port on your computer and it becomes recognized as a removable drive, whereupon you can send files to it or get files from it right from Explorer. Windows 98 requires installa-

tion of a driver on any machine you want to use it with (downloadable from the manufacturer's website), but Win 2000, Me, XP and Mac 8.6 or higher require no driver at all. You just plug it in and it is ready for use. I got it from BUY.COM for the amazing price of \$69.89 - a \$20 rebate = \$49.89, with free 2<sup>nd</sup> day air shipping. Called the Jumpdrive, by Lexar Media Products, the bauble is pretty amazing. I put all of the just under 100 files required for Windows 98se installation on it, with some room left over for other files, just to see it work. It did. Of course, in ten years, people will be laughing at this feat of technology, but right now it is amazing. It makes transferring files between computers that are not networked a snap.

**NETWORKING/DSL:** Speaking of networking, last December I bit the bullet and networked the three computers I have in my office with help from Ray Meyer (N9PBY), an expert at networking. Now I can send files to or get files from any of them. That means that, if I download a 10 Mb file to one, I can transfer copies to the others in well under ten seconds. All are connected to the Internet at all times, through my DSL (Digital Subscriber Line) service, also new in December. The networking could have been accomplished for well under \$100, but I elected to get some bells and whistles on the router, so the total cost came to \$135 including cables. By the way, with DSL you can use the phone to receive calls or send them, while also connected to the Internet on the same twisted pair. And, it is fast! Just amazing. Do I use a firewall? You bet! The router itself contains a hardware firewall, plus I have a copy of Zone Alarm is on each machine. You just must have a firewall today, even with a plain vanilla dial up connection. Why? See #95, titled Get That Firewall NOW, published in the October 2001 issue of BSSS. What's that, you can't find your copy? Well, just buy a copy of the First 100 on CD-ROM. Yes, you can still download a free copy of Zone Alarm, the best firewall there is. The URL is in #95.

**A USE FOR JUNK MAIL CD-ROMS:** A notable note came to me from Jack Morrison (N9SFG) who is a mentor with the ARRL Emergency Communications Courses (as am I). One of his students in the course came up with a great idea. Here is what Jack said:

"Have you wondered what to do with those pesky CD-ROMs that keep showing up in your mailbox from time to time? **Stan Piekarczyk, KE6IFC**, ARES Emergency Coordinator for Outagamie County, has come up with quite an ingenious use for them - as an emergency signal mirror. Properly used, the light from one of these commercial CDs can be

seen from as far away as 10 miles. Hold the mirrored surface to reflect sunlight, and then sight through the hole in the center. You will see a bright spot in the distance; which is the direction of the reflected beam of sunlight. Keep your eye on it and slowly adjust the mirror position until the bright spot is on top of your target. Thanks to Stan for the idea, a much better use than throwing them away. Keep one in your car, and those of you that

have boats might consider keeping one on board for emergencies."

Thanks to N9SFG and KE6IFC for this useful tip. By moving the bright spot on and off the target, I bet you can even send readable code this way. I wonder if you could use one to start a campfire if you flexed the disk to focus the rays? Someone try that this summer. Happy computing!

## Monthly Wisconsin Section News

April 10, 2003

WISCONSIN: SM: Don Michalski, W9IXG, SEC: WB9RQR, STM: K9LGU, ACC: Open, SGL: AD9X, OOC: N9VE, PIC: W9UQ. TC: K9GDF, BM: WB9NRK, ASM: K9UTQ, W9RCW, W9CBE, N9VE.

With regret, I pass the sad news that Melvin Brueckner, WB9RKO, 80, passed away on February 3. Melvin was a member of RRRC. On November 6, 2002 at 9:45

PM EST, W1AW sent a series of tones (and Morse Code) on four (4) amateur bands. The event, while publicized, did not give out the exact frequencies on which W1AW was transmitting; rather close approximations. The purpose of this "test" was for amateurs to measure as close as possible the transmitted frequencies. We congratulate Richard Polivka, N6NKO, to be recognized as one of the few amateurs to have measured the 40 and 80 Meter frequencies to within 30 ppm!

Leon Rediske, K9GCF, was voted the Ozaukee Radio Club Ham of the Year!

Governor Jim Doyle has proclaimed June 28, 2003, as Amateur Radio Operator Recognition Day.

A special thank you to the RRRC members for coming to the assistance of the Fox Lake St. Patrick's Day Parade. The parade committee put out a call for help at the last minute. In the true spirit of a Special Services Club, the members responded with communications support for the event.

It was nice to meet many of you at the Jefferson hamfest. Hope to see you soon at other events. My schedule is posted on the ARRL Wisconsin section site: <http://www.arrl.org/sections/?sect=W1>

MRAC member, KC9AYO, is conducting code practice on the 145.39 repeater every Monday and Wednesday at 6:30 pm. Thanks, D.J.!

The Wisconsin Valley Radio Association held a Technician level amateur radio license weekend class and Myron, KB9STB, reports that 11 out of 12 passed their license exams! They used the ARRL Technician video tapes, Now You're Talking, and 5 instructors. Congratulations to the team and students!

9RN report: Wisconsin Represented at 62 or 100% of net section by W9CBE K9FHI WD9FLJ KB9IME KB9KEG K9LGU W9PVD K9PVD K9RTB W9SWL K9WVM.

73, Don, W9IXG

From Denny, K9LGU, our STM: FAQ #5 -- How are weather nets related to traffic handling? Handling weather-related messages during an alert is a special kind of traffic and needs special care. It's a good idea to practice with local ARES, RACES, or Skywarn groups well in advance of when services are needed. Plenty of good sites on the Internet can help. My favorite is [www.sulcom.org/](http://www.sulcom.org/). The need for accuracy and efficiency is high on weather circuits and good traffic-handlers welcome the pressure.

73, Denny

ARRL Wisconsin Section

Section Manager: Donald E. Michalski, W9IXG  
(608)274-1886  
w9ixg@arrl.org

## Monthly Wisconsin Section News

May 06, 2003

WISCONSIN: SM: Don Michalski, W9IXG. BWN 3985 0500-0715 W9RCW. BEN 3985 1200 KE9VU. WSBN 3985 1730-1800 K9FHI. WNN 3723 1800 KB9ROB. WSSN 3645 1830 WA9ZTY. WIN-E 3662 1900 WB9ICH. WIN-L 3662 2200 W9UW. CTN 3994 Mondays @ 2000 KC9IS (All times are Central)

With regret, I pass along the sad news that Arnold Bachmann, K9DCJ, passed away. Arnold was an avid county hunter and managed the amateur department at Madison's Satterfield Electronics in the 60s. Glenn Miller, WA9VYE, 76, is a Silent Key. Bill Vosburg, W9VLL, 77, passed away on April 23. Bill was a member of the Ozaukee Radio Club. William, "Del," Jellings, WD9ESN, 73, and W9IIB, Darwin Alverson, 87, and W9SUF, George Halper, 79, are Silent Keys. -

Pete Fawcett, WB0JUW, reports that ITT Technical Institute, Green Bay ran a Technician Class and that all 6 students passed! These six new hams are the Charter members of the ITT Technical Institute, Green Bay, Ham Radio Club. The Wisconsin Rapids Exam Team traveled to Green Bay just to perform the exams for this class. A special thanks to them for their time and effort in helping to make this first class an outstanding success!

Congratulations to Reno Goetsch, W9NA, for being selected the Wisconsin Valley Radio Association Ham of the Year! Reno has been an Amateur for 70 years!

The City of Phillips and the Price County Emergency Management sponsored a CERT (Community Emergency Response Training) course in Phillips. Dwight Simpson, AG9G, took the 20 hour course which centers on "first" responders providing light search and rescue, triage, and safety. Well done, Dwight!

Marlin Gilman, WA0AUX, received a Certificate of Merit from Assistant Section Manager, W9RCW, for his long and faithful service to the Badger Weather Net.

Effective April 28th, the RMRA 146.22/82 repeater at Wausau has been interfaced to the Emergency Alert System (EAS). It will now transmit all weather, disaster related warnings and new "Amber Alerts" system.

From our Public Information Coordinator, Patrick Moretti, W9UQ, w9uq@arrl.net: "A QST article recently reminded us that Amateur activities span a whole year and are not limited to "just Field Day". There is a wealth of Amateur Radio Club activity out there that benefits or would interest the public at large in some way if only we could let them know... There is a group within the ARRL organiza-

(Continued on page 6)

Check us out on the web at  
[Http://www.bsss.org](http://www.bsss.org)

# Mancorad Radio Club

Theresa Hartlaub, KB9KXE  
Secretary

P.O. Box 294 • Manitowoc, WI  
54221-0204



## 2-Meter Repeater: 146.01 Input/146.61

The Mancorad Radio Club held its **April** 9th meeting at the club shack at 7:30. Carl (KA9WYK) led the meeting for President Fred (W6BSF) who could not attend until later on in the meeting. The club said the pledge of allegiance after which we held a moment of silence for honorary life member, Charles Schiman (W9GXD) who had passed away. Dick (N9QFY) was sending flowers from the club.

The March minutes were read and approved with motions from Red (N9GHE) and Rahlf (N9AWG). The treasurer's report was given by Treas. Dick (N9QFY) and approved by motions from Ken (K9HAG) and Shawn (KC9AAH).

The annual Cobia Event is quickly approaching, April 26-27th. Setup is Friday at 1:00 pm. Sat and Sunday we start at 8:00 with a breakfast at Bud Williams at 7:00. We will be operating 3 stations (2 HF & 1-2m FM). All entry is thru the museum and all will need a badge. So, contact Fred to get your name on the list. A huge thanks you to Fred for all your work on the 2 new QSL cards that have been printed up for the event. They are very professional looking. After club discussion it was decided to approach the Maritime Museum to help with the cost of printing as the museum is noted on the cards. The club will reimburse Fred for the remaining costs of the cards. 1000 cards were made up. Last year we had over 800 contacts made on the weekend. Carl is making up a press release for the papers and TV. Vern will contact Channel 2 for coverage. There is going to be a sleep over with 30 boy scouts staying the night. Anyone interested in staying over contact Fred. A short presentation on HAM radio will be given by those staying the night.

The first brat fry will be held at Sentry on May 30-31st. We will need a person to cover for Red (N9GHE) who will be recovering from hip surgery. Theresa (KB9KXE) and Dan (N9FVZ) are also on the committee. We will have a sign up sheet next month.

James (KB9GOX) reported on the Kewaunee Cross Country Adventure held on May 17-18th. Our help will be needed for communication between the field and the base.

No traffic control at all. Saturday he would need 5 people from about 12:30 to 5:00. Sunday goes from about 9:00 to 4:00 or 5:00. This is a big event with around 1000 racers expected. It will go on rain or shine, except for lightening. So you would need to bring water, appropriate clothing and extra batteries. All food and soda would be provided. Contact James if you can help either day.

Glenn (AA9MT) has asked for some help in May to lower his equipment, check it out and then put up again. He will provide the beer and brats. Let Fred know if you can help.

Fred has announced that he will no longer run the Sunday morning net. If someone wants to run it, they should do it at the normal time on Sunday. Also Aries/Races members should be checking in on the Tues. night net.

Carl reminded everyone to take digital pictures of club events for the Christmas party. So with so many things coming up, don't forget the cameras.

We had 2 guests from Green Bay, Randy (W9HAM) and Bob (K9BOB). Randy gave a demonstration to the club on back packing. He had a lot of his equipment along to show the members. Very interesting, and another way to use ham radios.

The drawing for attendance was drawn with Clancy (K9WIX) not in attendance. Pot goes to \$6.00. Next months meeting is May 14th at the club shack, 7:30 pm.

Respectively submitted,  
Theresa (KB9KXE)

Attendance:	K9HAG Ken
KB9INK Bob	KB9KXF Gene
N9GHE Red	KB9GOX James
KC9AAH Shawn	N9XEZ Bill
KB9GOY Mary	K9DUX Bill
KB9YRC Travis	N9AWG Rahlf
N4W GK Denise	KB9EME Vern
W9NPX Roger	N9QFY Dick
W9HAM Randy guest	KA9WYK Carl
K9BOB Bob guest	W6BSF Fred
NZ9Z John	KB9KXE Theresa
WB9VYO Vic	

(Continued from page 5)

tion that wants to help, and that needs your help. The PIO (Public Information Officer) program within the ARRL is made up of men and women, Radio Amateurs who want to gather Amateur Radio activity information and share it with the public through the Media. The questions to ask are: "Is your club represented?" "Does your club have a PIO?" "Do you want to be that representative?" It is a fun job that allows you to meet some interesting Media people. It is a rewarding job that highlights the activities and achievements of our Amateur Radio community. It is a job that requires some time spent behind a keyboard and on the phone and in person to wave the flag of Amateur Radio activity, achievement, and availability/willingness to help in our time of emergencies. So Mr. /Mrs. Club President, does your club have a "PIO?" "Can you find one?" Thanks, Patrick! More information on becoming a PIO can be found at <http://www.arrl.org/FandES/field/org/pio.html>

And, from our STM, Denny Rybicke, K9LGU, [k9lgu@arrl.net](mailto:k9lgu@arrl.net) : "FAQ #10: How can I

introduce traffic into the NTS? Begin by preparing a message in NTS format. Look at the famous "pink card," operating aid FSD-218. List your traffic on any of the section nets. The net control station will find someone to get your message on its way. As a technician class licensee, your best route is to contact a local Ham who can take your traffic and pass it along to a section net. Ask on local nets, at your local club meetings, or look at the QNI Roster on the Wisconsin Section page of the ARRL web site. You can request the list via Email or hard copy from your STM. On all of our section nets, we try to disseminate as much traffic as possible. Traffic that is not passed should be sent to the next section net-- BWN to BEN; BEN to WSBN; WSBN to WNN, WSSN, and both sessions of WIN; Late WIN to BWN. That way we try to make traffic available to all of our outlets. We're looking for a net manager for the WSBN. K9FHI deserves a long vacation for his many years of service. ARL SEVEN.-K9LGU/STM"

73, Don, W9IXG

# Wisconsin Valley Radio Association

Jerry Graebel - W9GLG

P.O. Box 363 • Wausau, WI

## APRIL 2003

Program: There was no program due to the election of officers and collection of annual dues.

Meeting Minutes of April 1, 2003 at Marsh-field Clinic - Wausau Center.

President Mark Rasmussen called meeting to order at 7:05 PM.

Present: W9GLG, N9MEA, N9NMH, KB9VBR, N9MO, KB9YDP, N9UAG, W9WW, N9NRC, N9NRA, KB9ZOF, N9PHC, K9MIX, K9JXW, N9SDI, N9TTA, N9LIA, WA9NBC, KC9DDO, KC9AFJ, KB9RXA, KC9BFW, KB9DED, N3FDE, N9SDL, W9PBB, K9DIK, N9SMV, WS9E, KC9CIY, KB9STB, KC9ASL, KC9DOS.

### Treasurer's Report:

Motion to accept: N9NRA, Second: KB9YDP

Secretary's Report: Minutes of the March 4, 2003 meeting were accepted as published in Badger State Smoke Signals and/or posted on the WVRA Web Site. [home.dwave.net/~wvra](http://home.dwave.net/~wvra)

### Old Business:

1. Matt, N9NMH showed pictures and gave a short talk on the trail the club purchased due to a grant received from the Walter Alexander Foundation. It is a cargo type with an access door on the side. The trailer is 6'X14' and will be used to move the club's equipment. It will use a 2" ball with a hitch weight of 135 lbs. He has also made inquiries for painting the club's logo as well as names or logos of companies and organizations that have made contributions, on the sides of the trailer. He is also looking for people to help design the inside of, and work on the trailer. Please contact him at [n9nmh@arrl.net](mailto:n9nmh@arrl.net).

2. Myron, KB9STB spoke of the technician class, sponsored by the club, held at the American Legion in Wausau on March 29th and 30th. Of the 12 who attended the class 11 passed the test at the VE session that followed. Thanks to all who instructed at the class and to the VE team for helping to make this a success. There is a plan to have another class this fall but the date is not yet been set.

3. There will be a meeting of the APRS committee on Saturday, April 12th at Wausau Metals at 10:00 AM. Talk in will be on 146.640 (114.8) repeater.

4. The WVRA will be giving a demonstration of Amateur Radio at the 30th annual Children's Festival at the Youth Building in Marathon Park on April 5th. Bill, WB2TLQ has listed this as a Special Event on QRZ.com and Eham. This is a hands-on type of demonstration and we will have the children experience making a contact using Amateur Radio. The event will take place from 10:00 AM until 4:00 PM. We will be setting up at about 8:00 AM. Anyone who can help can contact Jerry, W9GLG at [w9glg@arrl.net](mailto:w9glg@arrl.net).

5. At the meeting in March there was a vote taken for Ham Operator Of The Year. This will be an annual event to recognize a member of the Amateur Radio community, in this area, for their accomplishments. You need not be a member of the WVRA to win the award. The Winner is Reno W. Goetsch, W9NA. Reno has been licensed for approximately 70 years. During his time as a ham, Reno has worked all countries on one occasion and has achieved DXCC on five different bands as well as Worked All States on five different bands. Reno is also the lone surviving member of the original Wisconsin Valley Radio Association charter members. Reno signed the charter in 1939 at age 19. His name was engraved on

the award that will be at many of the club function. Reno, will also receive a plaque noting this achievement for him to display. Reno was not able to attend the meeting tonight, due to bad health, but Debbie; KC9CCD has been with him and let him use an HT to get on the 146.640, pl 114.8, repeater making a few contacts over the last few days. The board will make plans to present Reno with the plaque.

6. Paul, K9DB informed the members of the Lunar Eclipse that will be on May 15th, starting at 9:00 PM. This will be carried on ATV, if the weather will permit, on 421.250 video and 425.750 wide FM. There will also be a net held on the 146.820 repeater at the same time. The intent is to have Amateur Radio operators at some of the local schools. There will be some experts on the net to answer questions. They are John Mayer, astronomy instructor at UW Marathon County and Dr. Jim Lattis of the UW Madison History of Science Department. There is a plan to have a third guest who has not been named yet. If you can help, or know of a school who would like to take part, please contact Paul at [k9db@arrl.net](mailto:k9db@arrl.net). For more info see <http://www.rmra.ws/>.

7. There was a Storm Spotter training session held March 11th at the American Legion in Wausau. At two sessions held that day, 102 members of many local emergency organizations received training. There was a drill of the weather spotters held on March 22nd. It was a simulated net that put spotters out in the field at many locations in Marathon County. There will be a training session on damage assessment held April 22nd starting at 7:00 p.m. tentatively at Weston Fire Department. There will also be HAZMAT incident training on May 10. This will be a tabletop training time. Details are still up in the air--depends on getting a copy of the county's emergency response plan. The main focus would be identification and operation from designated shelters. Start time will be about 10 a.m. with a wrap up at about noon.

8. The MS Walk will be held May 4th. Jack, N9LIA could use a few more volunteers to help. If you can please contact him at [n9lia@pcpros.net](mailto:n9lia@pcpros.net)

9. The Capital to Northwoods Bike Tour will be coming through this area again this year. Michael, KB9VBR has registration forms that if you fill out the tour will pay for the gas used on the tour. He will be receiving more info from Don, W9IXG soon. If you can help please contact him at [kb9vbr@yahoo.com](mailto:kb9vbr@yahoo.com).

### New Business:

1. Election of Officers. Members nominated, Matt-N9NMH, Mark-N9MEA, Lance-KC9CIY, Jerry-W9GLG, Myron-KB9STB, Jon-KC9AEJ, Bill-WB2TLQ, Michael-KB9VBR, and Paul-K9DB. Elected to the Board of Directors, Matt-N9NMH, Mark-N9MEA, Jerry-W9GLG, Myron-KB9STB, Jon-KC9AEJ, Bill-WB2TLQ, and Michael-KB9VBR.

2. Mark, N9MEA gave a lengthy talk as to the status of the repeaters on the Rib Mountain tower. There have been proposals to merge the RMRA and the WVRA to one club. Another was to purchase a combiner, which could cost as much as \$15,000 to \$30,000, and have both clubs run their repeaters through it to reduce the amount of tower space used by both clubs. A third option was to leave everything as it is now. The cost of a lease would be \$1 per year for 5 years that would have a review of the cost at the end of every year. This means that the cost could be raised to any amount at that time. After 3 months the owners could break the lease if there was a paying entity that wished to be on the tower. If anyone

(Continued on page 8)

WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY APRIL 2003					
NET	QNI	QTC	QTR	SSNS	NM
BWN	1334	1571	2250	30	W9RCW
BEN	480	53	822	30	KE9VU
WSBN	672	99	955	30	K9FHI
WNN	161	11	292	27	KB9ROB
WSSN	206	28	325	29	WA9ZTY
WIN/E	243	99	341	30	WB9ICH
WIN/L	244	57	344	30	W9UW
WRACES 110	0	183	4	N6NKO	
Totals	3450	1918	5512	210	

WISCONSIN SECTION STATION ACTIVITY SUMMARY April 2003					
STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	487	35	482	1004 -BPL
N9VE	0	244	42	228	514 - BPL
W9CBE	0	182	196	5	383
K9GU	0	166	30	164	360 – BPL*
W9RCW	0	173	12	152	337 – BPL*
W9IHW	0	151	32	147	330 – BPL*
K9LGU	0	142	78	0	220
N9TVT	0	61	136	0	197
N9CK	0	75	75	0	150
AG9G	0	17	64	0	81
WA9ZTY	0	31	34	0	65
KE9VU	0	21	33	1	55
W9UW	0	37	14	1	52
KG9B	0	7	37	0	44
K9FHI	0	4	33	0	37
W9BHL	0	4	30	2	36
W9YCV	0	12	22	1	35
AA9BB	0	0	26	0	26
WB9ICH	0	21	2	1	24
WD9FLJ	4	7	5	7	23
KB9ROB	0	17	6	0	23
W9RSX	0	3	11	3	17
KN9P	1	5	5	0	11
K9UTQ	0	2	3	2	7
N6NKO	0	0	5	0	5
W9PVD	0	1	3	0	4

P S H R SUMMARY APRIL 2003							
CALL	1	2	3	4	5	6	T
N9TVT	40	40	10	425	0	0	515
N9VE	40	40	30	310	0	0	420
K9JPS	38	40	10	165	0	0	263
AG9G	40	40	30	130	0	0	240
N6NKO	19	5	30	115	0	20	189
KG9B	28	40	30	40	0	10	138
W9RCW	40	40	30	25	0	0	133
WA9ZTY	40	40	30	10	0	0	120
K9LGU	40	40	30	0	0	0	110
KB9KEG	40	36	20	0	0	10	106
W9CBE	40	40	20	0	0	0	100
W9YCV	40	35	20	5	0	0	100
W9RSX	40	17	10	0	0	0	67

(Continued from page 1)

NEW 60-METER BAND

Last-minute opposition to the granting of a band segment at 5 MHz came last year from the National Telecommunications and Information Administration (NTIA), which cited the ongoing spectrum requirements of federal government licensees having homeland security responsibilities. The NTIA administers spectrum allocated to the federal government. A compromise between the FCC and the NTIA resulted in the limited, channelized allocation.

The NTIA selected the channels the FCC authorized to minimize the possibility of interference to federal government users, and it dictated the use of USB so that federal government users--who also use only USB--could readily identify amateur stations if necessary.

The FCC has set maximum power at 50 W ERP and said it would consider a typical half-wave dipole to exhibit no gain.  
*From The ARRL Letter*

(Continued from page 3)

THE TEST POINT

Avenue, Sheboygan, WI. The test areas are handicapped accessible with signage posted to direct candidates to the proper area of the building. Walk-ins are accepted, however notification ahead of time of your intention to appear would be appreciated. Contact: Art Pahr K9XJ N8029 Willow Road Plymouth, WI 53073-2929. (920) 876-2370 k9xj@arrl.net

Shell Lake, WI  
NORWESCO ARES/RACES (ARRL/VEC). Washburn County Law Enforcement Center, lower level meeting room, 421 Hwy 63, Shell Lake. Walk-ins allowed. This is for all classes of license. Persons wishing to upgrade an existing license should bring a photocopy of it to submit. Also need a photo ID to prove who you are. The fee is \$10.00. Contact: Richard J. Eckenrode, 715-466-4109. Email: cen34109@centurytel.net. Web Site: fp1.centurytel.net/norwesco/.

Tomahawk, WI  
Tomahawk ARRL VE Team

(ARRL/VEC). Last Saturday of every month, January thru October. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633, dcollins@newnorth.net.

Wisconsin Rapids, WI

St. Lukes Lutheran Church. All classes, walkins welcome, registration 7:30 a.m. to 8:00 a.m. Contact Clde Deitz, KF9QA (715) 325-5521. [deitz@tznet.com](mailto:deitz@tznet.com)

St. Paul, MN

Saint Paul Radio Club (SPRC) First Saturday of the month, 8:30 a.m. Test Site: St. Paul Technical College, 235 Marshall Ave., St Paul, MN. Ed VanCleave, W0VC, (612) 636-0108. [www.qsl.net/sprc/index.html](http://www.qsl.net/sprc/index.html).

Houghton, MI

George R. Thurner, W8FWG, Team Liaison to ARRL for CCRAA/HARC Clubs, E-Mail: gthur@up.net.

Rockford, IL

Northern Illinois Volunteer Examiners (W5YI VEC) Third Saturday of every month. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walkins welcome. Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Rusty Cordell, WB9QYV, 1823 Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail: WB9QYV@aol.com.

Dubuque, IA

Dubuque Hamfest Carl Clark, N0KAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

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8 JUNE 2003 ■ BADGER STATE SMOKE SIGNALS

would like more information as to these discussions please contact any member of the Board. At a board meeting, and after discussing all the options, the Board voted 100% to recommend to the members that we move off the tower on Rib Mountain. After the discussion Jack, N9LIA made a motion to have the Board look into possible alternate locations for the repeaters. Discussion on the motion followed. Members present voted 100 % to accept the motion as made. The Board will report findings to the members at the following meeting, as information is available.

Meeting adjourned at 9:10 P.M KB9STB, Second - KB9VBR

The next meeting will be Tuesday May 6, 2003 at 7:00 P.M. at the Marshfield Clinic - Wausau Center Cafeteria. (Formerly known as the Wausau Medical Center). Park and enter from the main parking lot at the main entrance on the East side of the building. Call in on 2-meter club repeater if you need direc-tions: frequency is 146.640 (pl 114.8).

Respectfully submitted,  
Jerry Graebel - W9GLG (w9glg@arrl.net)  
WVRA Secretary

MAY 2003

Program: Kim, N9SDL gave a presentation to the members on APRS software called UI View32. He set up a live APRS station running the software and walked the group through the menus and explained the advantages of the program. It can easily be tailored to meet the needs of the user. There are a number of after market add on programs that you can get. It offers NWS support and an extensive help file that can be accessed with the F1 key. The grogram cost is \$15 to register and with the support on the web, could be well worth the price. More info can be found at <http://www.packetradio.org.uk/>.

Meeting Minutes of May 6, 2003 at Marshfield Clinic - Wausau Center.  
President Mark Rasmussen called meeting to order at 7:45 PM.

Introductions of Club Officers for 2003.  
President: Mark Rasmussen, N9MEA  
Vice-President: Myron Oestreich, KB9STB  
Treasurer: Jon Gelhaus, KC9AEJ  
Secretary: Jerry Graebel, W9GLG  
Net Director: Michael Martens, KB9VBR  
Equipment: Matt Baumann, N9NMH  
Public Education: Bill Coady, WB2TLQ

Present: W9GLG, KC9ANA, KB9JMB, KC9AEJ, KB9DED, N9MO, N9UAG, KB9YDP, N9NRA, N9NRC, N9PHC, KB9ZOF, N9LIA, N9TTA, W9PBB, K9DB, K9JPS, WB9YZR, N9SDI, N9SDL, WD9CPY, KC9DOQ, KB9VBR, N9MEA, KC9DOS, WA9NBC, WB2TLQ, KC9CIY, K9MIX, KB9RXA, KC9BFW, and Matt who's call is pending.

Treasurer's Report:  
Motion to accept: N9MO, Second: KB9YDP

Secretary's Report: Minutes of the April 1, 2003 meeting were accepted as published in Badger State Smoke Signals and/or posted on the WVRA Web Site. [home.dwave.net/~wvra](http://home.dwave.net/~wvra)

Old Business:  
1. The club has renewed its affiliation with the ARRL and renewed as a Special Service Club for another two years.  
2. There will be an ARES tabletop meeting on Saturday May 10th at the Weston Fire Dept. It will consist of heath and welfare traffic handling along with how traffic handling applies to shelters. Talk-in will be on 146.640 (pl 114.8).  
3. Myron, KB9STB and Michael, KB9VBR will be taking the ARECC Level 1 class from the ARRL. The cost is \$45 for ARRL members and \$75 for nonmembers. The fee will be refunded to ARRL

members upon completion of the course. It is recom-mended that if you are interested in emergency com-munication you sign up for the course. Steve, KC9ANA has taken the course and gave the members more information about the course. There are other courses available on Antenna Modeling, HF Digital Communications, Radio Frequency Interference, Satellite Communications and Life Beyond the Re-peater.

4. Mark, N9MEA explained a change recom-mended by the APRS Committee. To reduce traffic on the system they recommend a Proto Path of W9SM-10,WIDE3-3 for fixed stations and RE-LAY,WIDE3-3 for mobile stations. Mike, N9GHZ will be changing the Abbotsford digi to APRS and Len, N9QIP will be adding to his system.

5. Bill, WB2TLQ gave an update as to the Kid's Festival at Marathon Park. Over 100 Children got a chance to experience Amateur Radio. They all received a certificate for the their first contact. He thanked all who helped and said that the director of the event was impressed and hopes we can come back next year. There are plans being made to hold another technician class this fall along with at least one more VE session. Gary, WD9CPY made motion, that all who take the class and pass the exam that follows, receive a one-year membership in the WVRA. If the class was in the fall then the membership would be for one and a half years. This will include all who passed the last class as well. Second was by Jack, N9LIA. Motion passed. Upcoming club events are the Pan-Am Games Special Event, Field Day, Club Pic-nic and the Bike Tour.

6. The Northwood to Capital Bike Tour will be coming through our area in June. Michael, KB9VBR passed around a sheet and asked those who can help to sign. June 23rd and 24th are the days help will be needed most. Help will be needed later in the week also due to the terrain in the northern part of the state. Contact Michael if you can help or would like more info.

7. Jack, N9LIA thanked KC9AEJ, W9GLG, N9MEA, N9NMH, KC9BFW, WA9NBC, KB9DED, KB9YDP, KB9VBR, KB9STB, KC9ASL, N9SDI, N9TTA, KC9DOR, W9PBB, KC9CCD, KB9RXA, N9LIA for helping to make the MS Walk a success. Participation as to the number of walkers was down this year. He said that of the 46 volunteers that 16 were Amateur Radio Operators.

8. The 75 meter HF net has move to Monday at 9:30 p.m. Look for the net to be about 3.985. Mi-chael, KB9VBR thanked Jon, KC9AEJ for the good job he had done as Net Director last year.

9. There are a few ideas as to how the Club's Trailer should be painted. Please take a look at <http://home.dwave.net/~wvra/Trailer2.htm> and let Mark, N9MEA or Matt, N9NMH know by email if you have any ideas.

10. Mark, N9MEA in-formed the members of the Lunar Eclipse that will be on May 15th, starting at 9:00 PM. This will be carried on ATV, if the weather will permit, on 421.250 video and 425.750 wide FM. There will also be a net held on the 146.820 repeater at the same time. The intent is to have Amateur Radio operators at some of the local schools. There will be some experts on the net to answer questions. They are John Mayer, astronomy instructor at UW Marathon County and Dr. Jim Lattis of the UW Madison His-tory of Science Department. There is a plan to have a third guest who has not been named yet. If you can help, or know of a school who would like to take part, please contact Paul at [k9db@arrl.net](mailto:k9db@arrl.net). For more info see <http://www.rmra.ws/>.

New Business:  
1. The WVRA Club Picnic

will replace the July meeting. The picnic will be on July 8th at Marathon Park in Wausau at 6:00 p.m. Bring your own food and a dish to pass.

2. Jon, KC9AEJ asked the members to pur-chase a domain name for the WVRA. Cost would be \$35 and a monthly fee of \$9.95. The WVRA web page would then be moved to that provider. Jon ex-plaind the advantages and offered to pay the monthly fee. He will send an email with available names for the members to vote and return to him. The Board will decide at their next meeting.

3. Mark, N9MEA apologized to the members for taking action on the new location of the repeaters. The opportunity came and needed an answer. The WVRA has made an agreement with Fox 55 to be located on their tower east of Wausau. The antennas will be in the range of 400 feet on the tower but is not for sure yet. There will be 24-hour access if the re-

peater needs repair. All the details are not worked out yet so he will inform the members as, or if, they change.

Meeting adjourned at 9:12 P.M WB2TLQ Second - KB9VBR

The next meeting will be Tuesday June 3, 2003 at 7:00 P.M. at the Marshfield Clinic - Wausau Center Cafeteria. (Formerly known as the Wausau Medical Center). Park and enter from the Employee parking lot on west side of the building. Call in on 2-meter club repeater if you need directions: frequency is 146.640 (pl 114.8).

Respectfully submitted,  
Jerry Graebel - W9GLG (w9glg@arrl.net)  
WVRA Secretary

(Continued from page 11)

YTARC May Meeting Minutes

New Business:

Bird Hunt: Eagles with transmitters are being tracked around the area. Attached is a list of frequen-cies that the birds can be heard on (hope all can open the attachment). When you hear a bird, jot down the location, time and day. To make a report contact Bill Stehling, KC9CVD via email at: [Stehlwt@chorus.net](mailto:Stehlwt@chorus.net), he will then relay the reports to the appropriate party.

Bulk Coax: With antenna building season approaching, Bob, KB9VSQ presented a suggestion about the club purchasing bulk coax to be available for members to purchase from the club. Discussion followed on cost and different types of coax avail-able. Those members that have upcoming projects should think about getting together to see how much may be needed. Interested parties should contact Bob, KB9VSQ via email at [KB9VSQ@arrl.net](mailto:KB9VSQ@arrl.net) with their coax needs, so we may get an idea of how many are interested and how much coax will be needed. Bob will bring the info to the next meeting.

Field Day: This year Field Day is June 28th (the last full weekend of June) at Owen Park as in previous years. Set up will begin at 6 p.m. on Friday evening and last until Sunday 3 p.m. The club secre-tary will send a letter to the Columbia Co. Sheriff's Dept stating the clubs intentions. The club will check with Bill, N9KXX about donating the use of a genera-tor, or possibly getting a rental for the event. Load up your tents and radios and come on down for a good time.

Motion to adjourn was made by Tom, N9PQJ

and seconded by Bill, KC9CVD. Meeting adjourned at 8:30 pm.

NEXT CLUB MEETING: June 5, 2003 at 7:00 p.m.. AT THE SAUK CO. EOC MEETING ROOM IN THE BASEMENT OF THE SAUK CO. COURT HOUSE, 510 BROADWAY, BARABOO-USE THE WEST (BROADWAY STREET) EN-TRANCE.

Respectfully submitted,  
Lynn Loomis, KB9YOD, YTARC Secretary

Yellow Thunder Amateur Radio Club Home Page <<http://www.qsl.net/ytarc/>>

Members and Friends attending:  
(\* Those participating in the fox hunt)

Tom Harrison	N9PQJ	Reedsburg *
Peter Sweeney	WD9JIB	Reedsburg
Wayne Burgess	N9UDX	Lodi *
Steve Schulze	N9UDO	Baraboo*
Lynn Loomis	KB9YOD	Reedsburg
Dave Spearing	KB9CSW	Portage
Bill Stehling	KC9CVD	Sauk City*
Margaret Baker	KB9VGM	Plain
James Brann	KB9NXG	North Freedom
Maury Gurgel	KA9TBU	Reedsburg*
Rick Plouffe	N9ROY	
Bob Loomis	KB9VSQ	Reedsburg
Jim Paul	N9LKY	Baraboo*

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THE WISCONSIN PACKETEER

(Continued from page 10)

IPROUTE 44.92.75.1 + 1

This tells the LAN node to use port 1, the serial port, to access this IP address. Now we want to tell the LAN node how to access non-local IP addresses. This is where the /bits thing comes in:

IPROUTE 44.0.0.0/8 + 1 44.92.75.1

We've told the node that to ignore any part of the address that appears after the first 8 bits - the 44. And we've told it to send any of those packets to 44.92.75.1 on port 1. The zeroes have to be entered for "padding".

Now we have to get to the backbone node, enter the Sysop mode, and set routes back to our LAN node and to other groups of IP addresses. Let's start with the LAN node route entry:

IPROUTE 44.92.75.5 + 1

This insures that the backbone node will be able to route IP packets to the LAN node. Now rather than add an entry for each host on the LAN, we can group them all together with our /bits variant of the command:

IPROUTE 44.92.75.0/24 + 1 44.92.75.5

Only the first 24 bits of the IP address are acted upon. All packets that have this IP address in common (with the exception of the backbone node, of course) are sent to the LAN node for gatewaying to their final destination.

Now we can work on our neighboring LANs. Let's set a route for our neighbors to the north. First, we have to enter a route to that node itself.

IPROUTE 44.92.76.1 + 0

Notice that we are using port 0, the radio port. And now the whole LAN through that node:

IPROUTE 44.92.86.0/24 + 0 44.92.76.1

This tells the node to send all packets of the address group 44.92.76.whatever to that backbone node. Next, we'll want to add our neighbors to the west. First, the western backbone node itself:

IPROUTE 44.92.77.1 + 0

And again, the group of addresses on that LAN:

IPROUTE 44.92.77.0/24 + 0 44.92.77.1

Other than the numbers themselves, it's the same concept as our western neighbor backbone node. Now we will go to the south, where things are slightly different. First, we set a route to that southern backbone node with:

IPROUTE 44.92.20.1 + 0

Now a little more information. We only can route to 44.92. addresses through that neighbor node. So we will use a variation of what we did to our north and west:

IPROUTE 44.92.0.0/16 + 0 44.92.20.1

Notice that we told the node to only pay attention to the first 16 bits of the IP address, and ignore the rest. What happens if we try to route elsewhere, so to 44.93.80.22?

The node will return a code that means "No route to that host, sorry, I can't relay that!" and the packet gets dropped.

That's all we have time for this time out. Next time, we'll clean up a few loose ends and end the series.

KID'S DAY II IS JUNE 21!

The second Kid's Day of 2003 will be June 21, from 1800-2400 UTC. There's no limit on operating time. The twice-annual event, held in January and June, offers a chance for amateurs to invest in the future of Amateur Radio by participating in a simple, but rewarding, on-the-air event. Now in its ninth year, each running of Kid's Day typically attracts more than 1000 participants.

Kid's Day is intended as an opportunity to share Amateur Radio with young people--licensed or not--in the hope that they'll enjoy the experience and possibly pursue their own license in the future.

Activity for Kid's Day <http://www.arrl.org/FandES/ead/kd-rules.html> takes place on 20, 15 and 10 meters and can include local 2-meter repeaters. It's an opportunity to introduce your own youngsters, neighborhood kids and nieces and nephews to participate to the magic of ham radio and perhaps spark a lifelong love for the hobby.

Kid's Day is not a contest, and patience is a must. The role of the licensee and control operator is to help with the basics, keep an eye on the technical aspects of the operation, observe third-party traffic agreements and be sure to ID at the proper intervals. In this event, it's quality of the contacts that counts, not quantity.

The suggested exchange for Kid's Day is first name, age, location and favorite color. It's okay to work the same station again if the operator has changed. Call "CQ Kid's Day." Suggested frequencies are 14,270 to 14,300, 21,380 to 21,400 and 28,350 to 28,400 kHz, and 2-meter repeater frequencies with permission from your area repeater sponsor.

All participants are eligible to receive a colorful certificate. Visit the ARRL Kid's Day Survey page <http://www.arrl.org/FandES/ead/kids-day-survey.html> to complete a short survey and post your comments. You will then have access to download the certificate page or send a 9x12 SASE to Boring Amateur Radio Club, PO Box 1357, Boring, OR 97009.

Originated by the Boring Amateur Radio Club <http://jzap.com/k7rat/>, the event now is sponsored and administered by the ARRL with the cooperation and assistance of the BARC.

The ARRL Letter June 6, 2003

A FEW THOUGHTS TO MOVE YOU ALONG IN THE BUSINESS OF LIFE

Remember--half the people you know are below average.

"A good friend will bail you out of jail... But a true friend will be sitting there next to you, saying "BOY THAT WAS FUN!!!"

Thinkgeek: "There are 10 types of people in this world, those who know binary and those that don't"

Experience is the name everyone gives to their mistakes..

The only reliable rule of thumb is not to put it between the hammer and the nail!

"Be careful about reading health books. You might die of a misprint." --Mark Twain

"Where am I going and why am I in a hand basket?"

If at first you don't succeed, blame your computer.

A man wrapped up in himself makes a very small package.

SWAPFEST '03

South Milwaukee Amateur Radio Club, Inc.

Saturday, July 12, 2003 -- 6:00 A.M.

American Legion Post 434  
9327 South Shepard Avenue, Oak Creek, WI  
Tickets \$5.00

Food and Beverages Available starting at 6 AM

**Talk-In Frequency =**  
**146.52 (WA9TXE)**

**For more information:**

**Phone = (414) 762-3235**  
**Email = ryatex@aol.com**

**1st Prize.....\$100**  
**2nd Prize.....\$75**  
**3rd Prize.....\$50**  
**4th Prize.....\$25**

**Plus hourly door prizes!**

FROM MILWAUKEE

Layton Avenue

AIR-PORT

College Ave. (ZZ)

Rawson Ave. (BB)

Drexel Ave.

Puetz Road

LEGION POST

Shepard Ave.

Hwy. 38

Ryan Rd. (Hwy. 100)

27th Street (Hwy. 241)

13th Street

FROM CHICAGO

\*\*\*\* CLUB AUCTIONS \*\*\*\*

**1<sup>st</sup> Wednesday in March**      **6:00 PM Upper Legion Building**  
**1<sup>st</sup> Wednesday in October**      **Mark your calendars!!!**

Publishers Notes:

Another issue has been completed and is going to the printer. As soon as we get it back we will apply the mailing labels and send it out.

Some of you will be getting an advance copy (with extra pages) via e-mail. If you would like to get an e-mail copy before you receive your printed copy, please let me know your e-mail address. Send your address to:

kenneth.ebnetter@verizon.net

We enjoyed meeting many of our friends at the EAS Superfest (a great show by Ray and his crew) and at the MARA Swapfest in Stoughton. I am now "semi-retired" and hope to have more time to get

around to the hamfests this year and see many of you there.

We were late with the April printed edition. The printer moved their plant and with their moving problems did not get it printed as early as we had planned.

I am now "semi-retired" and hope to have more time to get around to the hamfests this year and see many of you there.

We have the renewal notices ready to send, and after deleting some of you who have already renewed (thank you) we will be sending them out. If you have already renewed and get a notice, please ignore it with our thanks.

If you have anything for the August BSSS (field day, etc.) get it to me by July 10 if possible.

73 ken k9en

Check us out on the web at  
**Http://www.bs**



# THE WISCONSIN PACKETEER

**Wisconsin Amateur Packet Radio Association**  
**Allen Schnepf, N0GMJ, Treasurer**  
**Ogema, WI 54459**

**Andy Nemec, KB9ALN, Editor—453 Cottage Grove Avenue—Green Bay, WI 54304—e-mail: kb9aln@gbonline.com**

## WAPR News - June, 2003

By Andy Nemec, KB9ALN

Hello everyone. Hope you've had a good Memorial Day and your summer is off to a good start.

### Network News

There is a little bit of news to report about the packet network status. First, an old node makes a reappearance in Door County.

Some may remember the tale of "Dr. Chaos", a misguided individual who allegedly took it upon himself to vandalize power sub-stations, power pole transformers and radio transmitting facilities supposedly for the purpose of promoting his agenda of "anarchy". He was eventually arrested in Chicago, allegedly possessing a quantity of Cyanide, and has since been jailed and tried for that. He has also been taken to trial on vandalism charges relating to his activities in Wisconsin.

One of the facilities he was alleged to have vandalized was a radio transmitting facility near Sturgeon Bay that housed the node WISTB. I am happy to report that this node is back on the air. Looking at the map, you can see that Door County is a long peninsula that is tough to cover via radio. It's necessary to have two LAN nodes in order to provide packet connectivity for the whole county. WISTB covers the northern end of the county and it's loss was a real problem for those packet operators who wanted network access.

At the same time that WISTB made it's reappearance, the backbone node #446DC was MIA. Luckily, it seems that the problem was not too difficult to correct. It was feared that the spring ice storm that ravaged its site may have damaged the antenna, but good fortune smiled down on the Door County ARC. Within a week, the node was back on the air and working once again.

While we are on the subject of Door County, Ken Meyer, K9KJM tells me that he has put up an APRS digi for the southern part of the county. The call is K9KJM-2 and is on the standard APRS VHF frequency.

Leroy N8WQG tells me that he has been "up to the mount" to do some repair and maintenance work on the Iron River node. Currently, he is working on burning a new EPROM for that node and making other enhancements. He tells me that he had an invigorating 45 minute walk up the ski hill and it was nice to not have to dodge skiers up there!

Leroy made a connection to my BBS through a long-haul circuit that was necessary due to the disappearance of the Crivitz backbone node. No word as to what the malfunction is, as soon as I do find out what is happening there, the news will appear here.

That situation reminds us just how reliant on others we are when we use the packet network. The packet radio network is an interesting cooperative endeavor. It's not owned by any particular individ-

ual, rather a mix of individuals, clubs and organizations like WAPR. I hope you'll join me in thanking those good folks that provide the facilities we use to do what we do on packet.

### WI-FI News

Last month we talked a little about the 802.11b WI-FI wireless Ethernet packet mode, and how hams are beginning to utilize it as the "next generation" packet radio service. There's even more coming down the pipe with the recent progress of work being done on the newer 802.11g protocol.

802.11g is appealing for one reason - it's amazing speed of 54 Mb/s. Yes, 54 Megabits per second. 802.11b, by comparison, is advertised to do one-tenth of that but in real life sees about 1-2 Mb/s.

Which makes us think a bit about off-the-shelf technology, and how it will work for us. One can easily envision an 802.11g backbone system with 802.11b LAN access points.

In the coming months, I'll explore more of this technology and present it here so that we can carefully evaluate it for our own use.

### Web Site Update Coming

I promise - it will come soon. I am in the process of changing internet providers and at that time, I'll obtain an internet domain name and update a new site. As it is now, my ISP has changed the URL for my personal (and therefore, WAPR's site) twice without my knowledge. Temporarily, here is the URL to use:

<http://my.athenet.net/~kb9aln/wapr/>

I am hoping to obtain a domain name such as [www.wapr.org](http://www.wapr.org) or perhaps [www.wapr.net](http://www.wapr.net). Right now, you can link to it through the Badger State Smoke Signals web site ([www.bsos.org](http://www.bsos.org)).

### A Plea for Help

Do you like packet radio networking? Do you have some new ideas and want to explore implementing them? Do you have a little bit of spare time to help the cause of packet radio networking in Wisconsin?

If so, perhaps you'll consider joining and running for office in WAPR. The current crop of officers (myself included) have been in office for quite some time and we need fresh blood, fresh ideas and people who share a commitment to seeing packet radio work well in Wisconsin.

Consider this: Local governments (and the State of Wisconsin) have Emergency Management and response units that rely heavily on good communications, we all know that. And a lot of this is heavily dependent on the internet in addition to traditional voice communications, which you may not know. Add to that the fact that we live in dangerous times.

The internet, as ubiquitous and reliable as it

seems to be, is not entirely bulletproof and not immune to disaster. This is where we should be stepping in. With inexpensive high-speed packet a reality, we are in a unique position to provide an alternative network on a short-term basis for just those disaster and emergency situations. In "normal" times, we have the ability to use this enhanced network for a whole host of interesting new ham radio activities.

However, we need people to do this. Please consider getting involved. Want to know more? Drop me a note at the address at the top of this page.

That's all for this edition. Remember, if you have any interesting packet information or news you'd like to tell others about, feel free to drop me a line by E-Mail or packet.

Until next time, 73 from Andy.

## Net/Rom Node Information for the Sysop - Part 19

by Andy Nemec, KB9ALN

In part 18 of our series, we explored configuring the ARP settings on the X-1J node. We've already configured the IP address as well as the Net/Rom portion of the node. ARP associates a call-sign with an IP address, a vital part of getting TCP/IP packets from point A to point B. Now we will configure our routing. This is the "other half" of making the X-1J node become a TCP/IP router.

We'll continue with the same examples we used last time, so keep your copy of that article handy for reference. You might also re-read part 10 of this series and keep it handy as well. It has information concerning how an IP address is treated by the IPROUTE command. We'll review that a little here, but it's best you have that info handy if you aren't clear on this issue.

### A Brief Re-Cap

For our examples in Part 18 (where we covered ARP), we've used what would normally be considered a "typical" node stack - one UHF backbone port and one VHF port. Multi-Port node stacks are not that much more difficult in concept, there's just a little more information to keep track of and more typing to do. Of course, all of these call-signs and IP addresses are made up. You will have to obtain your own IP address, and use the call-signs and IP addresses of your real neighbor nodes when you configure your node.

Here's our imaginary node setup:

WX9APR-1 is a backbone node on UHF with an IP address of 44.92.75.1  
WX9APR-5 is a VHF LAN node with an IP address of 44.92.75.5

Neighbor nodes:

WX9APR-7 is a backbone node to the north, with an IP address of 44.92.76.1

WX9APR-9 is a backbone node to the west with an IP address of 44.92.77.1

KB9ALN-1 is a backbone node to the south-east, with an IP address of 44.92.20.1. In addition, it provides routing to several other IP subnets.

### Basic Routing Concepts

Routing is really the process of sending IP packets to their intended destination, plain and simple. There are two different types of routing operations; point-to-point and relaying.

Point-to-point routing sends packets from one host to another directly. Relaying is much like digipeating, which is really what any node does with any packet, standard AX.25 included.

Backbone nodes are mainly packet relays called gateways, while LAN nodes are gateways that also utilize point-to-point routing. They do relay IP packets, but they are different in that they usually relay them to their final destination. Therefore, LAN nodes are a special gateway that utilize a mix of point-to-point and relaying (gatewaying) configurations.

### A Numbers Game

IP Routing is as much of a numbers game as anything. In gateway service, a node that routes IP packets looks at specific parts of an IP address, and takes action based upon what you've told it to do with a group of addresses. This is a good time to re-read the discussion of the IPROUTE command in part 10. We'll use this information when configuring routes to other gateways.

### A Simple Route Entry Example

Now we will use an example to illustrate point-to-point routing from a LAN node to a TCP/IP host operating on our LAN. We'll use the example of WX9APR-5 as a VHF LAN node with an IP address of 44.92.75.5. Our TCP/IP host computer will be wx9abc.ampr.org with an IP address of 44.92.75.33. Here's how we'd enter that in the Sysop mode:

IPROUTE 44.92.75.33 + 0

This is a simple point-to-point route from the node to the host. Most nodes, however, relay any packets they receive and perform the function of a gateway to another host. Additional IP hosts (stations) are added in the same way.

### Gatewaying Routes

OK, so we've gotten our LAN hosts entered into the routing table of our LAN node. Now we want to get to the rest of the network. First, we will need to set up routes to other nodes on the node stack. These are point-to-point routes. In order to use a gateway, the node first needs to know how to get to it. Using our above examples, we'd enter this:

*(Continued on page 9)*



*Yellow Thunder  
Amateur Radio Club*



WB9FDZ (Original Club Call)  
K9ODK (Robert L. Prine Memorial Call)  
Club net: Sundays 8:00 p.m. on 147.315  
Raymond J. Matlosz, N9MLZ, Secretary  
450 W. 2nd St., Reedsburg, WI 53959-1500

**YTARC April Meeting Minutes**

The April meeting was called to order at 7:15 p.m. by club president Steve Schulze, N9UDO. The meeting was held in the EOC Meeting Room at the Sauk Co. Court House. March minutes were discussed. It was noted that the email address for Cliff Johnson, KC9CMC was incorrect. Bill, KC9CVD stated he would email the secretary the correct address. Minutes then approved as published via e-mail, motion by Tom, N9PQJ seconded by Duane, N9DG to accept. Treasurer's report read by club treasurer Bill, N9KXX, and accepted by members. Club account balance stands at \$2858.61, with a few bills that require payment.

**Old Business:**

Packet Project: Still in the works. Members are in the process of getting the equipment together. Bill, N9KXX will be pricing equipment and purchasing what is needed.

Ham Classes: Waiting to hear from Cliff, KC9CMC on status of setting up classes. There are several young members in CAP that are interested in participating. Volunteers are still needed to help with the classes.

Communications Trailer: The paint job on the trailer has been completed. Next is installation of the wiring and outlets.

Wisconsin QSO Party: Tom, N9PQJ participated, working 40 & 80 meters, making around 80 contacts. Steve, N9UDO participated, working 2 m FM and 70 cm FM.

Fox Hunt: A fox hunt is planned for the next monthly meeting. Jim Paul, N9LKY will be the fox master. The fox hunt will begin at 6 p.m. on May 7, 2003. Those wishing to participate are to meet on the steps at the entrance to the Sheriff's Dept. where instructions will be provided. (Same entrance used for club meetings.)

**New Business:**

Insurance Policy: The club maintains an insurance policy for liability. The cost this year is \$225.00, this is up from last year, as a result of 9/11. The policy covers when the club is involved in events, ie .Field Day, Swap Fest, it is a requirement of the Fair Association for our use of the fair ground building.

Weather Monitors: Weather monitors were handed out to those who had ordered them. The club sold the monitors as a fundraiser. The club received \$10.00 for each monitor ordered. The profits may be used towards the ARBOO node, or other projects the club becomes involved in.

Code Quick Course: Tom, N9PQJ shared an email he received from Don Michalski, W9IXG concerning a Code Quick Course being

offered by Darryl Lonowski, AB9BB. A minimum of 10 students is required for the class. For more information, contact: Darryl Lonowski, AB9BB, obdarrlydl@msn.com. Information and full payment for the class is needed by April 10, 2003. The class to get you started is on Saturday, April 19, at Space Place in Madison. An opportunity to purchase Code Quick products at 10% off the "retail" price is available. More information on the Code Quick products can be found at: [www.ca2k.com](http://www.ca2k.com).

Swap Fest Door Prizes: Discussion on door prizes for this years Circus City Swap Fest. Some suggestions were a weather radio or an HT.

Member At Large: Dave Spearing, KB9CSW was offered the position of Member at Large. He cordially accepted.

Zilch: Tom, N9PQJ reported on last month's Zilch. 22 people attended and had a good time.

Door Prize: The gift certificate Pete, WD9JIB received from the Hiway House as a thank you to the club for using their facility for the club Christmas party was given as a door prize at this meeting. Tom, N9PQJ was the lucky recipient.

Motion to adjourn was made by Wayne, N9UDX and seconded by Pete, WD9JIB. Meeting adjourned at 8:00 p.m.

NEXT CLUB MEETING: May 7, 2003  
AT THE SAUK CO. EOC MEETING ROOM  
IN THE BASEMENT OF THE SAUK CO.  
COURT HOUSE, 510 BROADWAY, BARABOO  
-USE THE WEST (BROADWAY STREET) ENTRANCE.

Respectfully submitted,  
Lynn Loomis, KB9YOD YTARC Secretary

Yellow Thunder Amateur Radio Club  
Home Page <<http://www.qsl.net/ytarc/>>

Members and Friends attending:

Tom Harrison	N9PQJ	Reedsburg
Duane Grotophorst	N9DG	North Freedom
Joe Mayenschein	WB9SBD	La Valle
Peter Sweeney	WD9JIB	Reedsburg
Jason Humboldt	KC9BWT	Lodi
Wayne Burgess	N9UDX	Lodi
Steve Schulze	N9UDO	Baraboo
Lynn Loomis	KB9YOD	Reedsburg
Bill Klinkner	N9KXX	Sauk City
Dave Spearing	KB9CSW	Portage
Bill Stehling	KC9CVD	Sauk City
Margaret Baker	KB9VGM	Plain

Seventh Annual!  
**CIRCUS CITY SWAPFEST**  
Sponsored by:  
Yellow Thunder Amateur Radio Club, Inc.

**Ham Radio, Computer & Electronics Extravaganza!**

**SATURDAY, AUGUST 9, 2003  
7:00AM UNTIL NOON**

*Sauk County Fairgrounds - Baraboo, Wisconsin*

**Vendors \* Tail-Gate Area  
Concessions \* Free Parking \* Camping**

**\$5 Admission, \$4 In Advance - 8 Foot Tables \$5 Each**  
(1 Admission Included Per Table - ADVANCE SALES ONLY) - Set-up 6:00AM

**VE Testing**

9:00 am Code - 10:00 am Written

**Talk-In**

147.315 Repeater  
+600 input w/123.0 PL  
WB9FDZ

The Sauk County Fairgrounds is located on highway 33, on Baraboo's far east side.  
**From I-90/94:** Take exit 106 (Hwy. 33) west to Baraboo.  
**From Hwy. 12:** Take Hwy. 33 east at the Kwik-Trip in West Baraboo.

**For more information contact:** Steve, N9UDO at (608) 356-2313 or [n9udo@arrl.net](mailto:n9udo@arrl.net)  
Bill, N9KXX at (608) 643-6908 days, (608) 643-6453 evenings.

**Visit us on the Internet:** [www.qsl.net/ytarc/hamfest.htm](http://www.qsl.net/ytarc/hamfest.htm)

For Advance Tickets, Send Check With A Self Addressed Stamped Envelope to:  
Yellow Thunder A.R.C., 1120 City View Road - Baraboo, WI 53913

Company Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Call Sign: \_\_\_\_\_

Address: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

No. Of Tickets: \_\_\_\_\_ X \$4.00= \_\_\_\_\_ Electricity Required? Y / N

No. Of Tables: \_\_\_\_\_ X \$5.00= \_\_\_\_\_ Total Amount Enclosed= \_\_\_\_\_  
(one complimentary admission ticket with the purchase of each table - ADVANCE SALES ONLY)

**YTARC May Meeting Minutes**

This month's meeting was preceded by a fox hunt. Jim Paul, N9LKY was the "clever" fox master and gave those who were participating an enjoyable hunt by using several modes to hide his foxes. Two teams were entered and several others participated just to try it out. Steve, N9UDO and Maury KA9TBU were partnered and found all three of the foxes, well almost.....one of the foxes had a decoy; and while they were able to record all of the messages, they were unable to find one of the "real" foxes. They tallied a score of 31out of 39 points and were declared the winners. Tom, N9PQJ also participated and found two foxes for a total of 21 points. All participating, and those observing had a good time.

The May meeting was called to order at 7:45 p.m. by club president Steve Schulze, N9UDO. The meeting was held in the EOC Meeting Room at the Sauk Co. Court House. April minutes were discussed. It was noted that the email address for Cliff Johnson, KC9CMC was incorrect, and the correct address was provided. Minutes then approved as published via e-mail, motion by Maury, KA9TBU seconded by Bob,

KB9VSQ to accept. Previous month's treasurer's report read by club president Steve, N9UDO, and accepted by members. Club account balance stands at \$2858.61, and pending bills.

**Old Business**

Weather Monitors: All those who ordered a weather monitor have received them. The weather monitor sale was a club fund raiser. With 26 monitors sold, the club netted \$260.00 to add to the club account for future projects.

Zilch: The last Zilch was the "the last blast" until we are out of the summer months. 20+ attended the last Zilch.

Code Quick Course: No one present took advantage of the courses at this time.



Packet Radio: The radio and marine battery have been purchased and the cable built. We have a TNC (still needs updating), and we are still in need of a power supply.

Communication Trailer: The trailer has been carpeted and wired; the antennas are going up, and all that's left is installation of radios.

*(Continued on page 8)*

**Check us out on the web at  
[Http://www.bsسس.org](http://www.bsسس.org)**

SWAPFESTS

<div><p>2002 WINNER Michael J. Haessler, KB9TG Waupaca, WI.</p></div> <div><p>32nd ANNUAL MIDWINTER <b>SWAPFEST</b> WAUKESHA EXPOSITION CENTER WAUKESHA, WISCONSIN SATURDAY JANUARY 2004</p><p><i>Both sponsored by:</i> <b>THE WEST ALLIS RADIO AMATEUR CLUB, INC.</b> P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</p></div>	<p><i>HAM IT UP EVERY SPRING!</i> <b>MADISON SWAPFEST</b> Mandt Community Center <i>APRIL 13, 2003</i> 400 Mandt Parkway Stoughton WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P. O. Box 8890 Madison, WI 53708-8890 swapfest Information Line. (608) 245-8890</p>	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB</b> <b>SWAPFEST 03</b> <b>JULY 12, 2003</b> (Held every July) <b>American Legion Park</b> <b>Shepard Avenue • Oak Creek, WI</b> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail ryatex@aol.com</p>		
<p><b>SEWFARS SWAPFEST</b> HAM RADIOS • COMPUTERS • ELECTRONICS AMATEUR LICENSE EXAMS</p> <p>Setup starts at 6:00 A.M. For more information, call (414) 835-7035</p>	<p>The Chicago FM Club presents <b>RADIO EXPO 2002</b> September 27-28, 2003 Lake County Fairgrounds, Rts. 45 and 120 Grayslake, Illinois Free parking • Amateur Exams • Talkin 146.16/76 Info Voice mail and FAX: (708) 457-0966 <a href="http://www.chicagofmclub.org">http://www.chicagofmclub.org</a> P.O. Box 56784, Harwood Heights, IL 60656-0724</p>	<p><b>TRI-COUNTY ARC PRESENTS</b> <b>HAMFEST 2003</b> <b>March 16, 2003</b> <b>YOUR SPRING FAVORITE !</b> Tricountyarc@globaldialog.com TCARC 213 Frederick St (920) 563-6381 Fort Atkinson, WI 53538 Evenings</p>		
<div><p>www.ns9rc.org</p></div> <div><p><b>NS9RC</b> <i>Fest</i> formerly known as LAMARfest Lake County Fairgrounds, Grayslake, Illinois Radio, Electronic, Computer Swapfest</p><p><b>March 23, 2003</b> Grayslake, IL</p></div>	<p><b>Eau Claire Amateur Radio Club</b> <b>HAMFEST 2003</b> <b>Saturday, April 19</b></p> <p>For Information Contact: Steve Bluem at (715)839-6509 ka9omy@arrl.net ECARC P.O. Box 1867, Eau Claire. WI 54702-1867</p>	<p>The Milwaukee Repeater Club presents <b>AMATEUR RADIO FEST 2003</b> <b>November 2003</b></p> <p>Waukesha County Expo Center Forum Buildings For more information, see: <a href="http://www.execpc.com/mrc">http://www.execpc.com/mrc</a> e-mail mrc@mrc91.org or call 1.608.367.3953</p>		
<p><b>Ozaukee Radio Club</b> <b>23rd ANNUAL RADIO AND</b> <b>COMPUTER SWAPFEST</b> <b>May 5, 2003</b> 8 a.m. to 1 p.m. • Circle B Recreation Center Intersection of Highway 60 and County I Exams by Badger Examiners, c/o Gary Sharbuno, 5119 W, Willow Rd., Brown Deer, WI 53222 Swapfest sponsored by the Ozaukee Radio Club W55 N865 Cedar Ridge Drive • Cedarburg WI 53012</p>	<p><b>Circus City Swapfest</b> Sponsored by the Yellow Thunder Amateur Radio Club Saturday, August 9, 2003 • 7 am—Noon Sauk County Fairgrounds • Baraboo, WI</p> <table border="1"><tr><td>Vendors • Concessions Camping • Free Parking Tail Gate Area</td><td>\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables</td></tr></table> <p>Steve Schulze, N9UDO • Bill Klinkner, N9KXX (606) 356-2313 • (608) 643-6908/643-6453 <a href="http://www.qsl.net/ytarc/hamfest.htm">http://www.qsl.net/ytarc/hamfest.htm</a>,</p>	Vendors • Concessions Camping • Free Parking Tail Gate Area	\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB</b> <b>AUCTION</b> Amateur Radio, Computers &amp; Electronics <b>Wed. October 1, 2003, 6:00 p.m.</b> <b>American Legion Post 434</b> <b>Shepard Avenue • Oak Creek, WI</b> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail: ryatex@aol.com</p>
Vendors • Concessions Camping • Free Parking Tail Gate Area	\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables			

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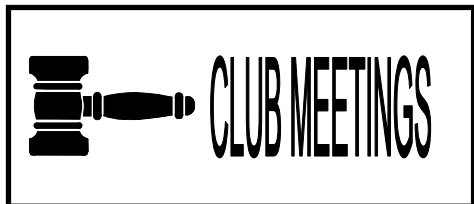
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## Appleton

FOX CITIES AMATEUR RADIO CLUB Meetings: Third Mondays, 7 p.m., Columbus Club, 2531 N. Richmond Street, Appleton, WI Information: Pat, K9IK, 920.725.1149. [Platour428@aol.com](mailto:Platour428@aol.com) Web: <http://www.w9zl.ampr.org/>.

## Baraboo

BADGERLAND AMATEUR TELEVISION SOCIETY (BATS) Check BATS Web page: <http://www.shopstop.net/BATS/>

## Baraboo

YELLOW THUNDER AMATEUR RADIO CLUB Meetings: See the YTARC column elsewhere in this issue for meeting times and locations. For further information: <http://www.qsl.net/ytarc>.

## Dubuque, IA

GREAT RIVER AMATEUR RADIO CLUB Meetings: First Monday of each month, 7 p.m. at the Red Cross Center, 2400 Asbury Road. The club serves the tri-state area. On the Web: <http://www.qsl.net/wb0lob/>. Information or questions to: [N0hdc@aol.com](mailto:N0hdc@aol.com).

## Eau Claire

EAU CLAIRE AMATEUR RADIO CLUB Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, President, P.O. Box 1867, Eau Claire, WI 54702-1867. Phone (715) 838-9108, Email [kg9ra@ecarc.org](mailto:kg9ra@ecarc.org). Web page: <http://www.ecarc.org>

## Fond du Lac

FOND DU LAC AMATEUR RADIO CLUB Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2 Information: Jack Heil, KG9IN, 920.922.1413. Email: [kg9in@fdlhams.org](mailto:kg9in@fdlhams.org) Web: <http://www.fdlhams.org>.

## Fort Atkinson

TRI-COUNTY AMATEUR RADIO CLUB Thursday monthly except June to August, 7 p.m., at Dwight Foster

Public Library in Fort Atkinson. ARES Net each Wednesday evening at 8 and club net Monday evenings at 8 on 145.49 repeater. Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

## Grafton

Ozaukee Radio Club (ORC) Second Wednesday of each month at 7:30 p.m. Grafton Multipurpose Senior Center, 1665 7th. Ave., Grafton, Wisconsin [www.qsl.net/orc/](http://www.qsl.net/orc/).

## Green Bay

GREEN BAY MIKE AND KEY CLUB Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere. Information: Kevin at [kb9sne@yahoo.com](mailto:kb9sne@yahoo.com).

## Green Lake

GREEN FOX AMATEUR RADIO CLUB Greater Green Lake County area. Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

## Hudson

St. CROIX VALLEY RADIO AMATEURS Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

## Juneau

ROCK RIVER RADIO CLUB Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

## Madison

SPACE PLACE AMATEUR RADIO CENTER No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: [n9uw@sal.wisc.edu](mailto:n9uw@sal.wisc.edu).

## Madison

BADGER AMATEUR RADIO SOCIETY University of Wisconsin - Madison/W9YT Meetings: Third Mondays at 7:00 p.m. in UW Union South. Room number posted on the Today in The Union board. Information: Don Michalski, W9IXG, (608) 263-4685. Email: [w9ixg@arrl.org](mailto:w9ixg@arrl.org). Web: <http://www.qsl.net/w9yt>.

## Madison

Madison DX Club, meetings are on every fourth Tuesday of each month; see <http://madisondxclub> for more details.

## Madison

FOUR LAKES AMATEUR RADIO CLUB Meetings: Third Tuesdays, 7:30 p.m., Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

## Manitowoc

MANITOWOC COUNTY RADIO AMATEURS (ManCoRad) Second Wednesday of each month. Club board meets at 6:30 p.m., and Regular meeting is at 7:30 p.m., at 1105 Fleetwood Drive, 2nd floor (Old County Shop building on northwest side of city.) Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: [fredw6bsf@lakefield.net](mailto:fredw6bsf@lakefield.net).

## Marinette WI

## Menominee M

Amateur Radio Club Meetings held second Thursday 7:00PM each month BAMC Tenth Avenue Menominee Michigan in the basement. Guests welcome e-mail secretary [kg9ad@arrl.net](mailto:kg9ad@arrl.net)

## Medford

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) Meetings: Usually first Thursday, 7 p.m. sharp. Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford. Talkin: 147.15 (+600) MHz. Amateurs and guests are welcome. ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater. Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

## Menomonee Falls

FALLS AMATEUR RADIO CLUB, INC. Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

## Menomonie MI

Saturday coffee at Burger King, 544 Main Street, at 9 a.m. Social hour on 4th Tuesdays at 7:00 p.m. at the Depot, 2616 Hills Court, north of Walmart on highway 25 North, in January, March, April, and September through November. Guests welcome!

## Milwaukee

GREATER MILWAUKEE DX ASSOCIATION Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: [garyk9gs@arrl.net](mailto:garyk9gs@arrl.net).

## Milwaukee

MILWAUKEE RADIO AMATEURS CLUB Meetings: Last Thursdays, 7:00 p.m. Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Mailing address: P.O. Box 070695, Milwaukee, WI 53207. Web: <http://www.qsl.net/mrac>. Email: [w9rh@arrl.net](mailto:w9rh@arrl.net).

## Monomomie

RED CEDAR REPEATER ASSOCIATION, INC. Saturday coffee at Hardee's in North Monomomie, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

## Northeast Area

NORTHEAST WISCONSIN DX ASSOCIATION Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings, check <http://home.new.rr.com/newdx/>. Contact us at [w9dxa@arrl.net](mailto:w9dxa@arrl.net).

## Oak Creek

SOUTH MILWAUKEE AMATEUR RADIO CLUB Meetings: First Wednesdays, Legion Post #434, Shepard Ave., Oak Creek, WI. In March and October the meetings are turned into Auction Nights. Swapfest July 6, 2002. The club WEB site is [www.qsl.net/wa9txe](http://www.qsl.net/wa9txe)

## Onalaska

RIVERLAND AMATEUR RADIO CLUB Meetings: First Tuesdays, 7 p.m., Onalaska Community Center. More information: <http://www.qsl.net/wr9arc/>. Email: [wr9arc@qsl.net](mailto:wr9arc@qsl.net).

## Oshkosh

RADIO AMATEURS OF WISCONSIN (R.A.W.) Meetings: Third Saturday monthly, locations vary. R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.



QCWA Chapter 162  
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Southeastern Wisconsin Chapter 162. Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

QCWA Chapter 55  
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. ( 2 6 2 ) 3 7 5 - 1 7 7 4 . mailto:ryokes@execpc.com.

Racine  
LAKESHORE REPEATER ASSOCIATION Meetings: Last Tuesday, January, April, July, October. New meeting location to be announced.

Racine  
RACINE MEGACYCLE CLUB Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

Rhineland  
NORTHWOODS AMATEUR RADIO CLUB Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI. Talkin on Sayner or Tomahawk repeaters. The Northwoods ARC News is on the club web site. <http://www.freeyellow.com/members7/nwarc>.

Sheboygan  
SHEBOYGAN COUNTY AMATEUR RADIO CLUB Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

Shell Lake  
NORTHLAND AMATEUR RADIO CLUB Meetings: First Tuesday at the Shell Lake United Methodist Church, Reinhart Drive, Shell Lake, WI. Meeting time: 7 p.m. More information: <http://home.centurytel.net/NorthlandARC/>.

Stevens Point  
CWRA Ltd./UWSP ARC Meetings second Wednesday. of each month at

7:30 pm. Science Building on the UW-Stevens Point Campus, Room A107, Stevens Point, WI. Email: [jglas776@uwsp.edu](mailto:jglas776@uwsp.edu). Webpage: [www.qsl.net/wb9qfw](http://www.qsl.net/wb9qfw).

Superior  
ARROWHEAD AMATEUR RADIO CLUB, INC. Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

W.A.R. WISCONSIN ASSOCIATION OF REPEATERS  
Quarterly meetings of the Wisconsin Association of Repeater are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wi-repeaters.org>.

Watertown  
WATERTOWN AMATEUR RADIO CLUB Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

Waupaca  
WAUPACA AMATEUR RADIO CLUB CQ First Tue. Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. CQ Third Fri. Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

Wausau  
WISCONSIN VALLEY RADIO ASSOCIATION Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). <http://home.dwave.net/~wvra/>.

West Allis  
West Allis Radio Amateur Club Second Tuesday of each month at 7:30 p.m. St. Peter's Episcopal Church, 80th and Lincoln Ave., West Allis. Meetings in basement. Entrance at rear, off alley. H a n d i c a p p e d a c c e s s i b l e . [www.warac.org](http://www.warac.org).

West Bend  
WASHINGTON COUNTY AMATEUR RADIO CLUB Meetings: Second Thursdays, 7:30 p.m., Washington

County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

Wisconsin Rapids  
WISCONSIN RAPIDS AMATEUR RADIO CLUB Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

Monthly Wisconsin Section News

June 06, 2003

WISCONSIN: SM: Don Michalski, W9IXG, SEC: WB9RQR, STM: K9LGU, ACC: Open, SGL: AD9X, OOC: N9VE, PIC: W9UQ. TC: K9GDF, BM: WB9NRK, ASM: K9UTQ, W9RCW, W9CBE, N9VE.

With regret, I inform you of the following Silent Keys: K9QXM, Gerald Galvin, 80. Gerald was a member of the ORC. Ron T. Armstrong, WB9WRW, 56, passed away. Ron was former EC for Waukesha County and a member of the Kettle Moraine Radio Amateur Club and Local Emergency Field Radio Operating Group. UW-Stout recently graduated 81 new hams in one day at a single VEC session!

Congratulations to John Weiss Jr, WB8KLO, and the VE team for this amazing accomplishment. Hear it at: <http://tapr.org/newsline/index.html> #1343. Our appreciation to Fred, N9ZET, for becoming WSBN manager. He takes over after Roy, K9FHI, decided to take a vacation after many years as Net Manager. Thanks, for all your hard work, Roy!

Congratulations to Eric Shulze, KC9CRI, age 15, for passing EmComm level #1! Eric hopes to pass all 3 EmComm levels and become, perhaps, the youngest WI Ham to do so.

We are approaching Field Day, June 28-29, and I hope everyone is looking forward to participating. Remember, the theme this year is “When all else fails....” I suggest putting up a banner at your club site to remind the public of one of the reasons for this exercise. I encourage your club to invite the media and public to attend and even get behind the microphone to feel the excitement of making a few contacts. No better way to Understand than to get one's feet wet. So, leave some room for guests to operate. Don't forget to take advantage of the traditional ARRL Field Day Pins and T-shirts. New for this year are the GOTA (Get on the Air) pins and T-shirts. Go to the ARRL catalog site. Order now!! I look forward to receiving your Field Day reports.

Congratulations to Tony Lattis, age 11, KC9EFF, for receiving his Technician license! We hope he makes use of his new VX5R (courtesy of proud dad, Jim,

K9REO) in Madison's public service events!

If your club isn't sending me a newsletter, please put me on the list. I accept most electronic formats as well as hard copy. Your club activities are important to me so keep me posted!

Is your receiver buzzing? Could be a sign that your nearby power pole is experiencing dangerously high leakage currents that could result in a pole fire! That's the time to contact your power company to check it. Thanks to K9KR of WARAC for the warning!

The Badger Examiners, headed by Gary Sharbuno, WI9M, and Mickey, KB9G, are still moving strong after 18 years! Our appreciation to these VEs for their contributions for these many years!

T'is the season for public service events. I'm sure there are many organizations in your area that could use communication support and we hope you are involved with organizing or participating in these worthwhile events. Try to encourage the new amateurs in your club to hone their operating skills and perform a valuable service to the community. Don't let those without any equipment off the hook. Many of us have backup HTs that can be loaned to the new amateurs for these events. Give them the chance to join the fun!!!

From Denny, K9LGU, STM: STM Notes for May - A traffic net should, first and foremost, handle traffic. Net controls know this and always pass traffic before any visiting. Why should you volunteer as NCS? (See How to be an NCS on the ARRL Wisconsin section page) Every net needs a net control station to call up the net, keep things organized, and arrange for traffic to be passed efficiently. Volunteering as NCS provides two valuable services.

(1) It allows the net to function by handling the listed traffic and establishig the liaison from other NTS nets.

(2) It trains the volunteer NCS and the net members. It sharpens skills in listening, organization, and decision making for the NCS. It lets check-ins get used to a new voice, a new style. Train yourself; train the check-ins. Train, train, train. I know it sounds like I've got a one-track mind, but it is time some folks were railroaded into being a volunteer NCS.

We hope everyone is having an enjoyable and active summer! 73, W9IXG